

IBM Office Products Division Customer Engineering

PARTS CATALOG

MT/ST I/O



MT/ST I/O

Form No. 241-5157-2
(Revised) May, 1973

PARTS CATALOG INSTRUCTIONS

Separate Manuals for Illustrations & Part Numbers
Parts catalogs are published in 2 parts on each OPD product, the illustrated manual and the Part Number/Price List Manual.

The Illustrated Parts Catalog
The Illustrated Manual contains a contents page, parts drawings, reference numbers, charts of multi-part number parts and other special information (explained below) pertaining to the product involved. It is revised when major changes occur.

The Part Number/Price List
The Part Number/Price List Manual contains reference numbers, part numbers, part descriptions and prices listed in mechanism code reference number sequence. It also contains other special information outlined on page 2 of the Part Number/Price List.

HOW TO USE THE PARTS CATALOG

Ordering Standard Parts
The product line name and model will determine which catalog to use. Each mechanism is made up of a group of parts that work together to perform a function(s). This includes both moving parts and parts that are used to mount or control the moving parts, eg. screws, mounting brackets, pivots, etc.

To locate a part, first determine the mechanism in which it functions, then locate the mechanism by using the contents page. Note the mechanism code number, then find the part in the illustration and note the reference number. With this mech. code/ref. no., locate the part number and price in the Part Number/Price List.

Different Product Level Parts

If different level parts have significant changes that can be shown in the illustration each level is illustrated. If the size will permit, different level parts are shown on the same illustration. If not, separate illustrations are used. Each level is marked Level 1, Level 2 and etc. If you can not determine from the illustration which level you require, note the serial number of the machine and refer to the Part Number/Price List where specific serial numbers range for different level parts are shown.

Bill of Materials & Assemblies

Several parts may be ordered for installation by ordering a bill of materials and/or an assemblies. Each bill of materials or assembly has a reference number and name on the illustration where the parts they contain are illustrated.

Parts Numbers Shown in a Chart Layout

When the part is referenced with a note "see chart page xx", refer to that page and note the mechanism code number, reference number, part description and part number. Prices for these parts are listed in the Part Number/Price List in mechanism code number/reference number sequence.

Parts for Different Product Line Models

When only a few parts of a mechanism appear different for different product line models, parts for all models are shown on the same illustration. The parts are described by the model name and/or number. If the difference in appearance of different model parts cannot be illustrated, model names and/or numbers will be shown in the Part Number/Price List.

Product Features & Attachments

Locate the product feature or attachment on the contents page. Use the same procedures to locate the parts ordering information as used for standard parts.

Illustrated Parts without Reference Numbers

Some parts do not show a reference number. These parts are shown for assembly purposes only and cannot be ordered. You can order a replacement for these parts by ordering either an assembly or a later level part.

SER & MES Parts

Parts catalogs include most (MES) Miscellaneous Equipment Specification parts. Special Engineering Request (SER) parts are not shown in parts catalogs.

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Stepping Mech.	M15	3
Tape Bin	M25	4
Tape Path Drive	M23	4
Tape Path Support & Guide	M22	4
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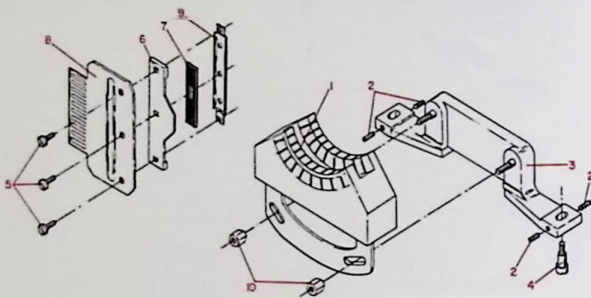
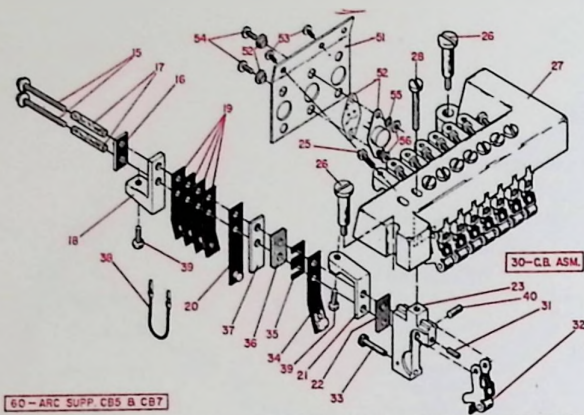
"SELECTRIC" I/O TYPEWRITER

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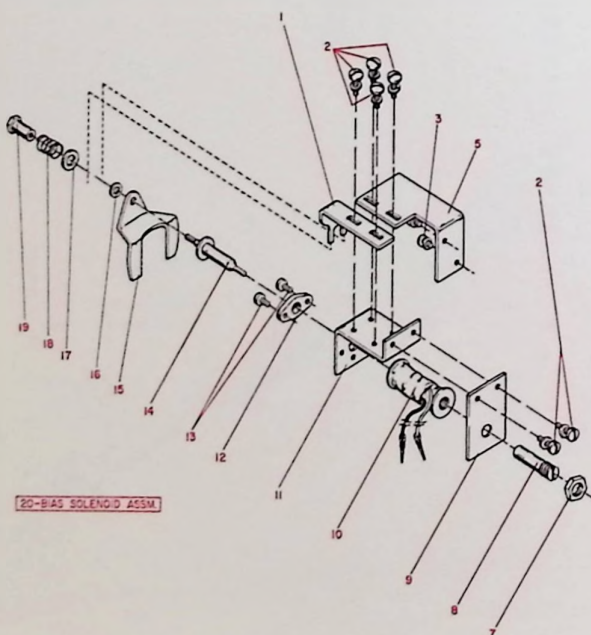
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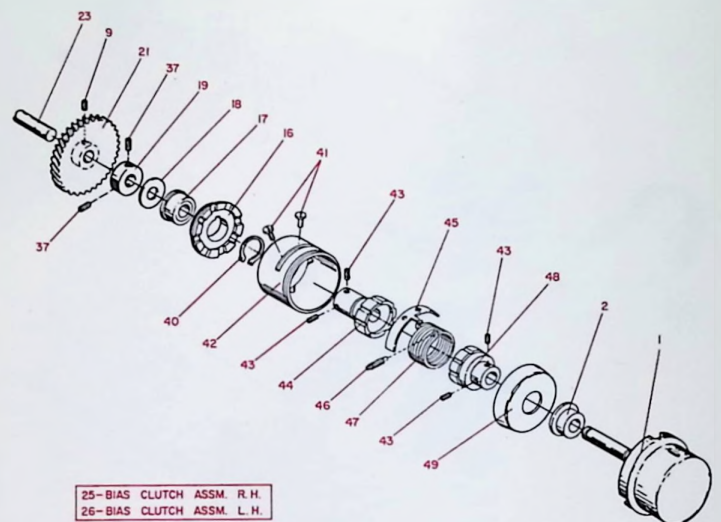
EMITTER & C. B.'S

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BIAS SOLENOID

MECH CODE
M09

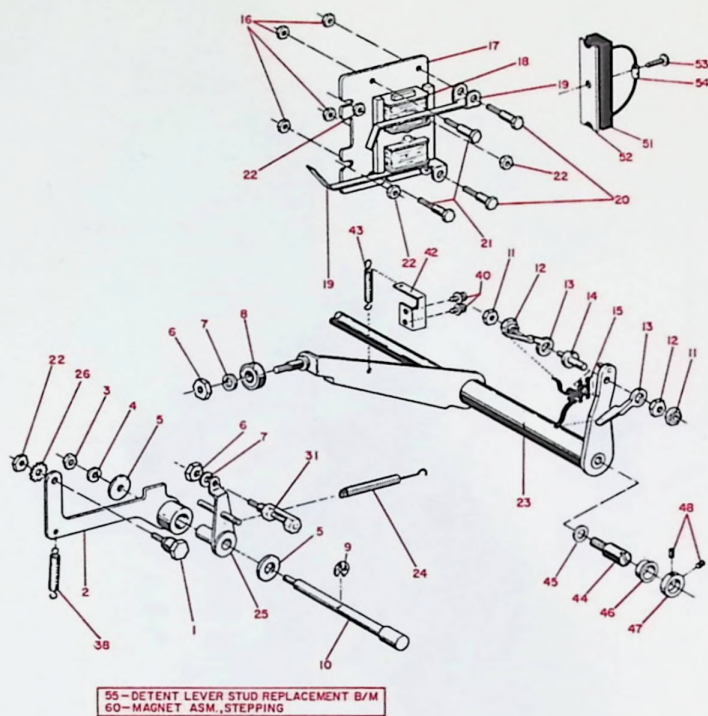
TORQUE LIMITER SHAFT

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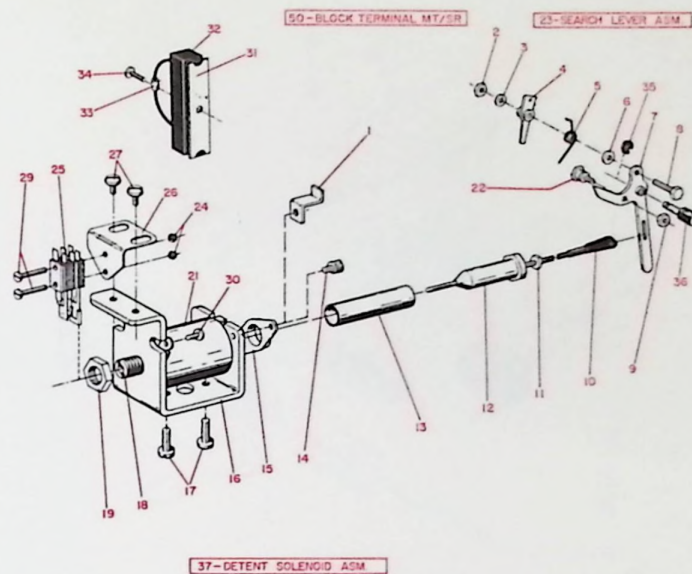
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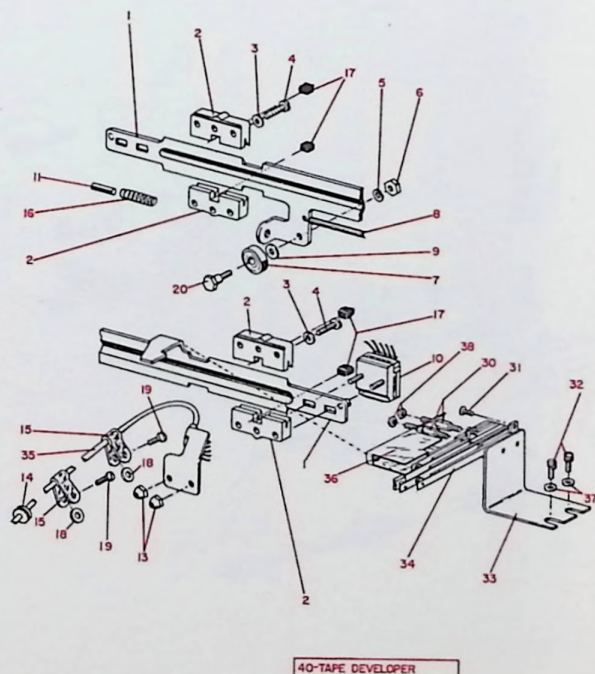
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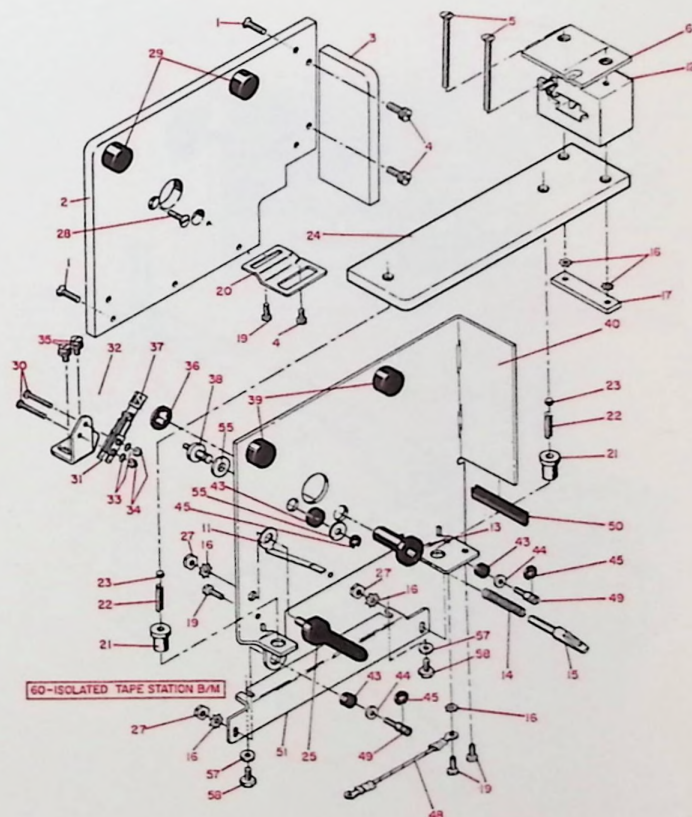
DETENT SOLENOID & LEVERS

MECH CODE
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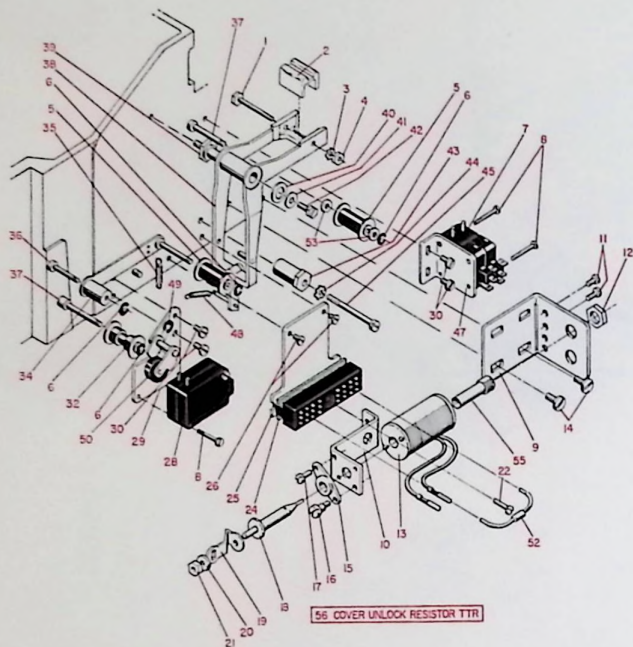
HEAD & SLIDE

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M19


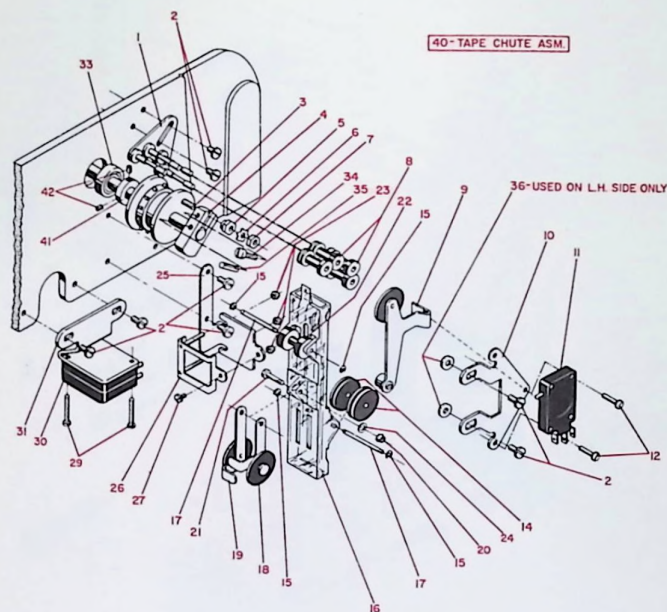
STATION PLATFORM

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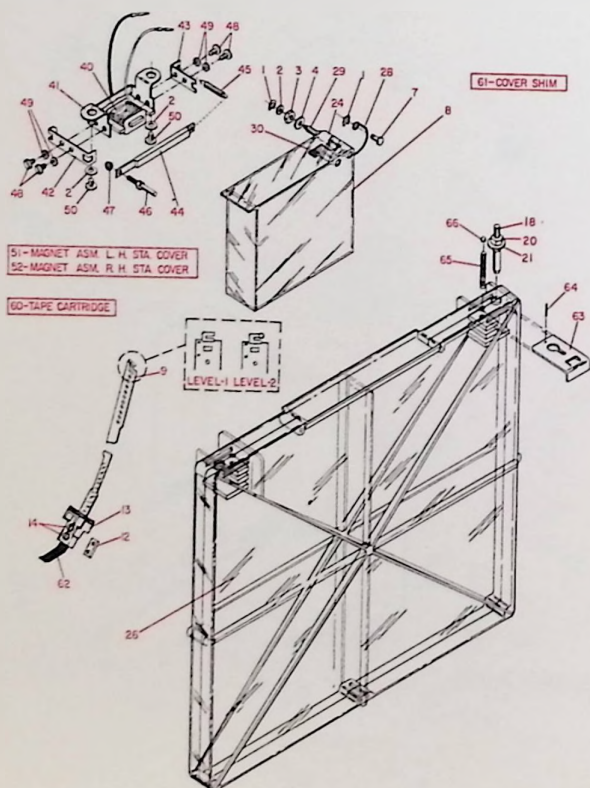
TAPE PATH SUPPORT & GUIDE

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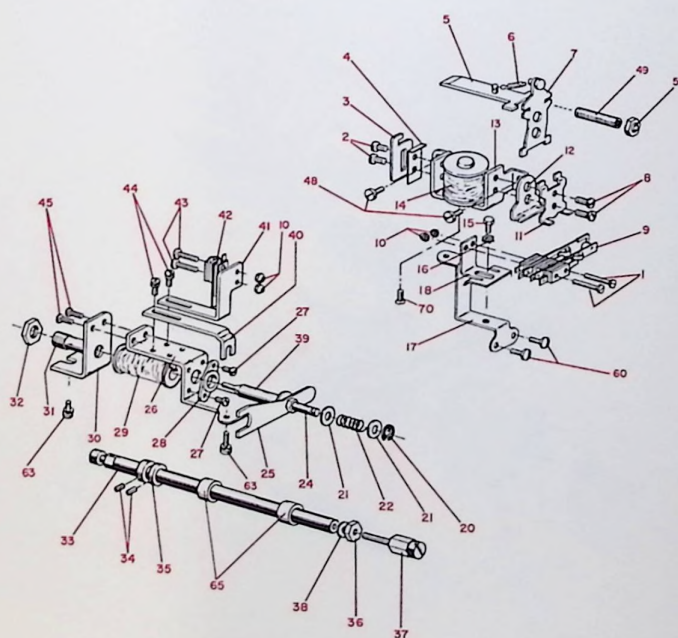
TAPE PATH DRIVE

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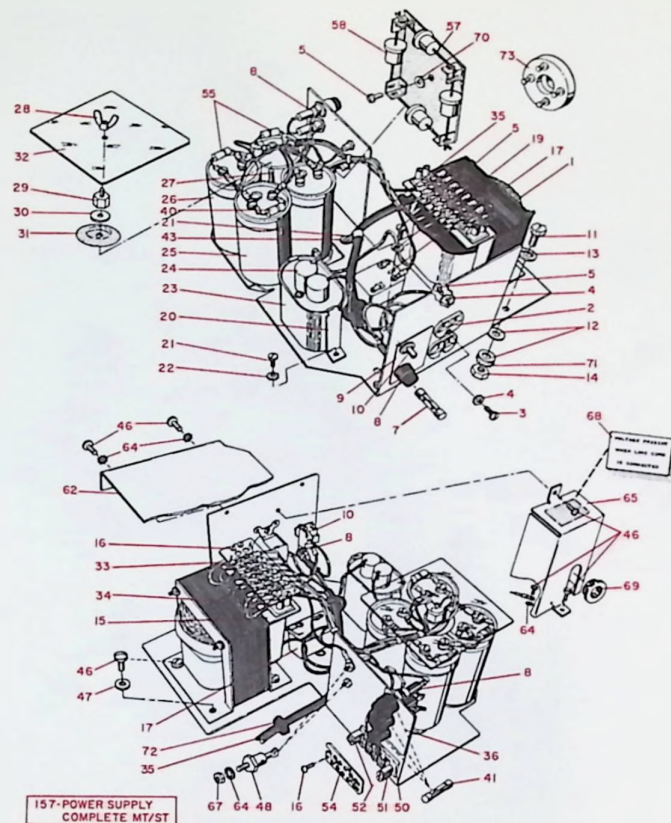
TAPE BIN

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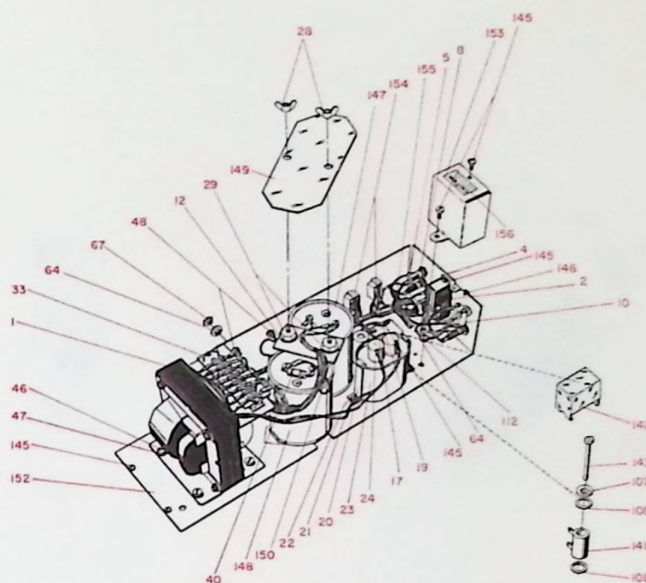
SEARCH SOLENOID & MAGNET

MECH CODE
M27

POWER SUPPLY

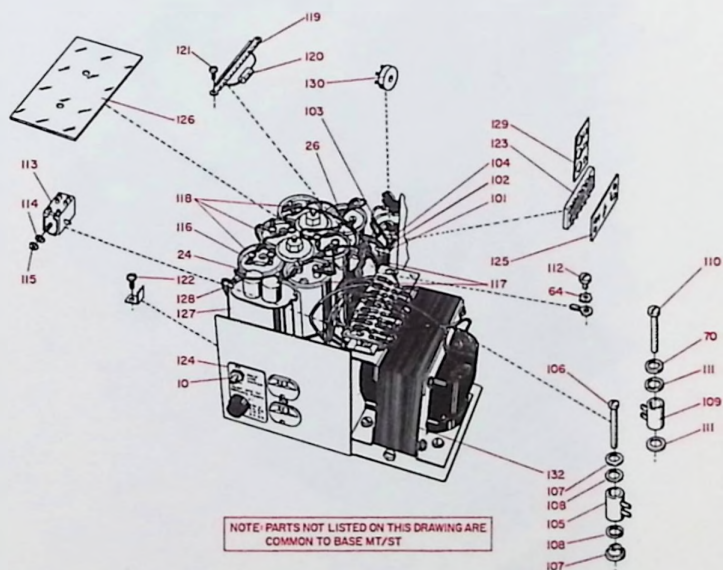
MECH CODE
M30


POWER SUPPLY

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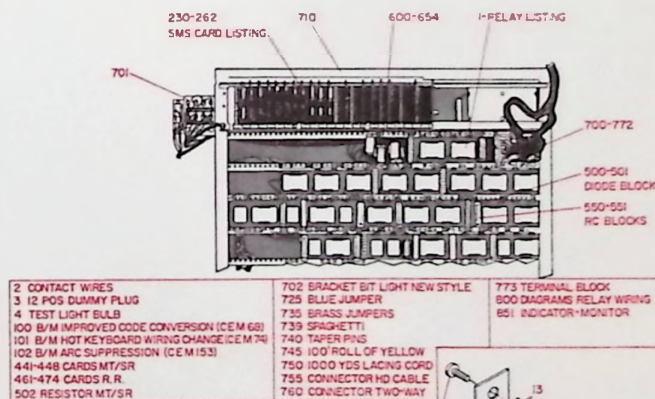
NOTE: PARTS NOT LISTED ON THIS DRAWING ARE COMMON TO BASE MT/ST

POWER SUPPLY

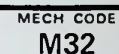
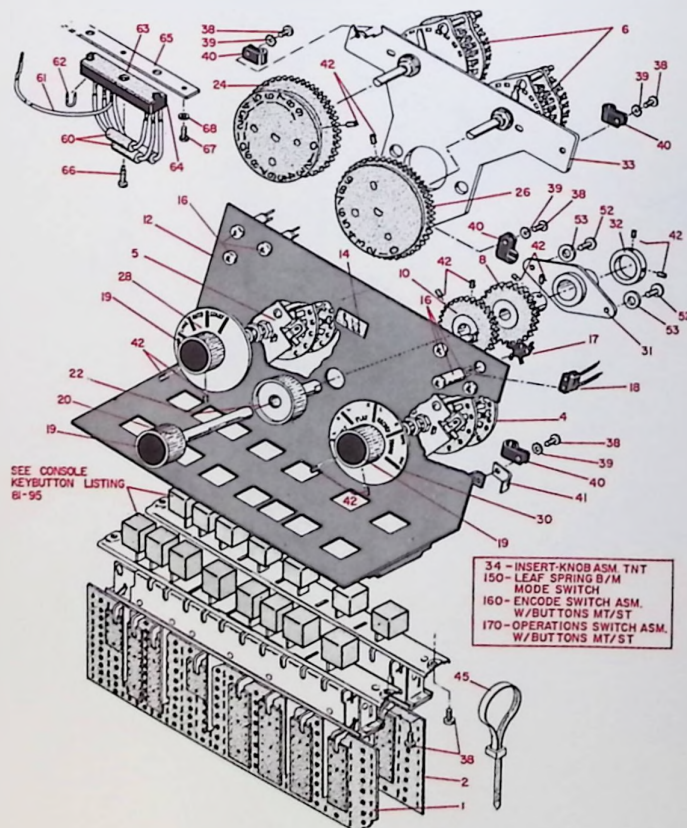
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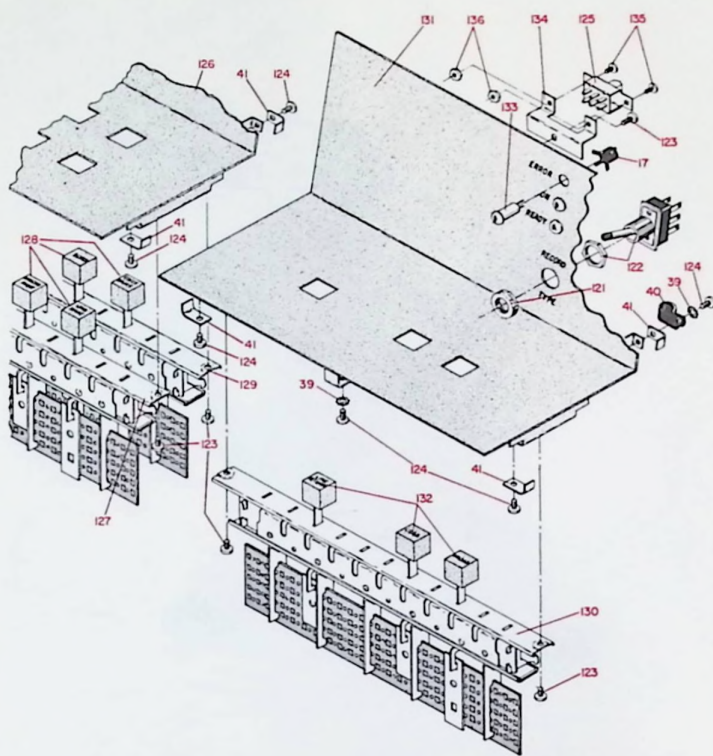
RELAYS & ELECTRONICS

MECH CODE
M32

230-262
SMS CARD LISTING
710
600-654
1-RELAY LISTING
700-772
500-501
DIODE BLOCK
550-551
RC BLOCKS
2 CONTACT WIRES
3 12 POS DUMMY PLUG
4 TEST LIGHT BULB
100 B/M IMPROVED CODE CONVERSION (CEM 68)
101 B/M HOT KEYBOARD WIRING CHANGE (CEM 74)
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461-474 CARDS R/R
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702 BRACKET BIT LIGHT NEW STYLE
725 BLUE JUMPER
735 BRASS JUMPER
739 SPAGHETTI
740 TAPER PINS
745 100' ROLL OF YELLOW
750 1000 YDS LACING CORD
755 CONNECTOR HD CABLE
760 CONNECTOR TWO-WAY
773 TERMINAL BLOCK
800 DIAGRAMS RELAY WIRING
851 INDICATOR-MONITOR

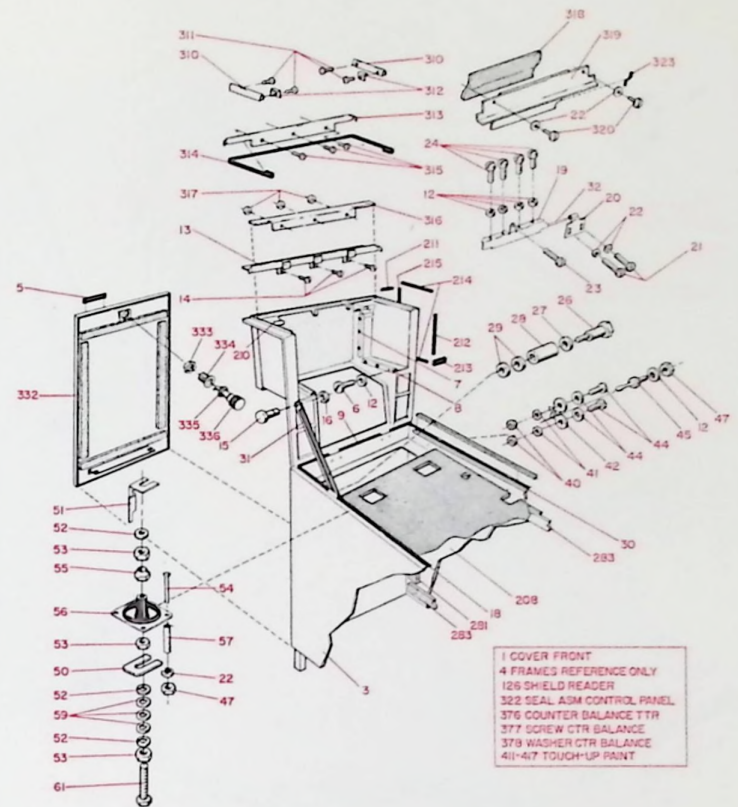
160-SWITCH B/M

MECH CODE
M32MECH CODE
M32

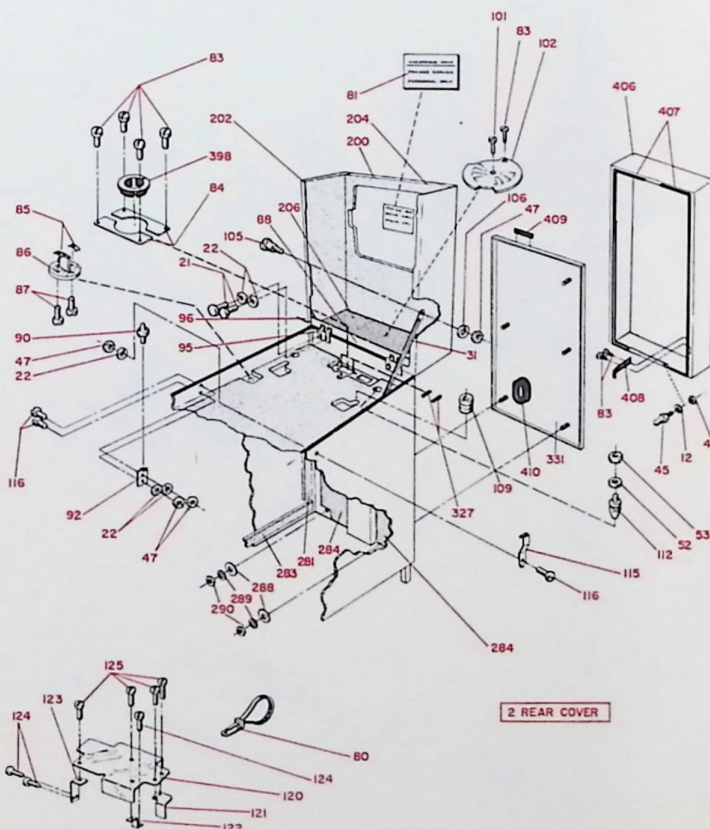
CONTROL PANEL & SWITCHES

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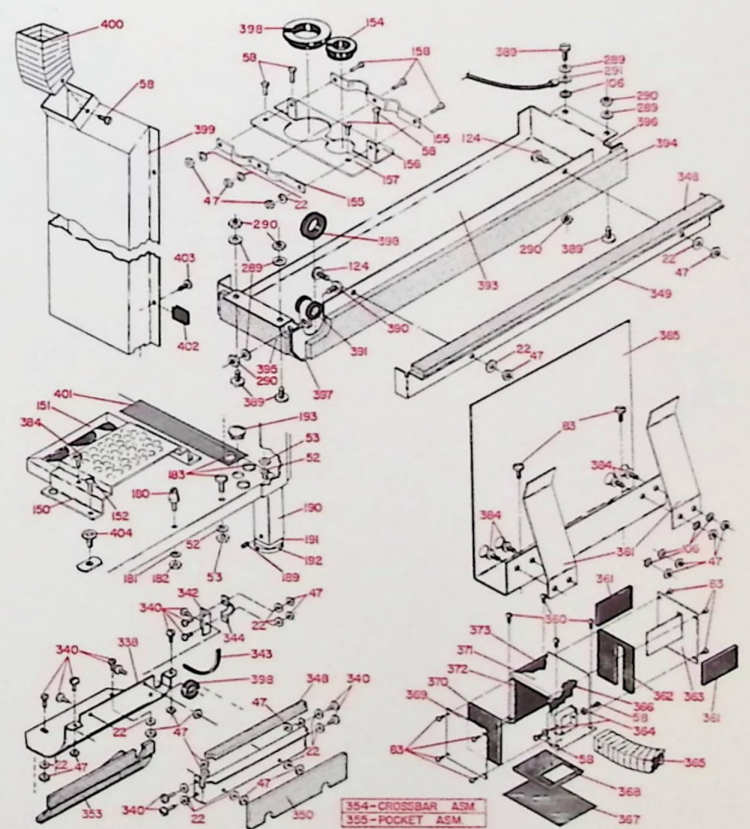
COVERS & MOUNTING

MECH CODE
M40

COVERS & MOUNTING

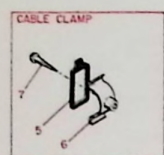
MECH CODE
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COVER HARDWARE

MECH CODE
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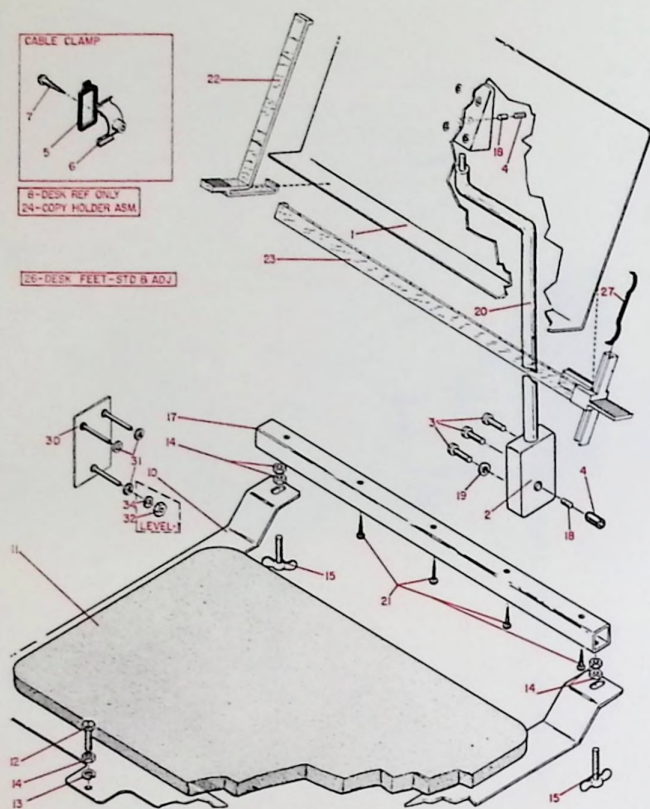
DESK HARDWARE

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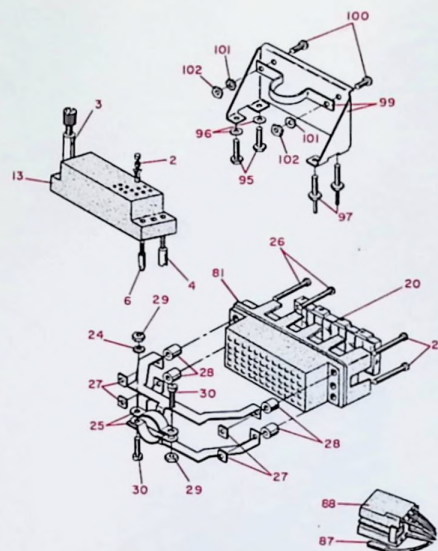
8-DESK REF ONLY
24-COPY HOLDER ASM

25-DESK FEET-STD & ADJ



CABLE ASSEMBLIES

MECH CODE
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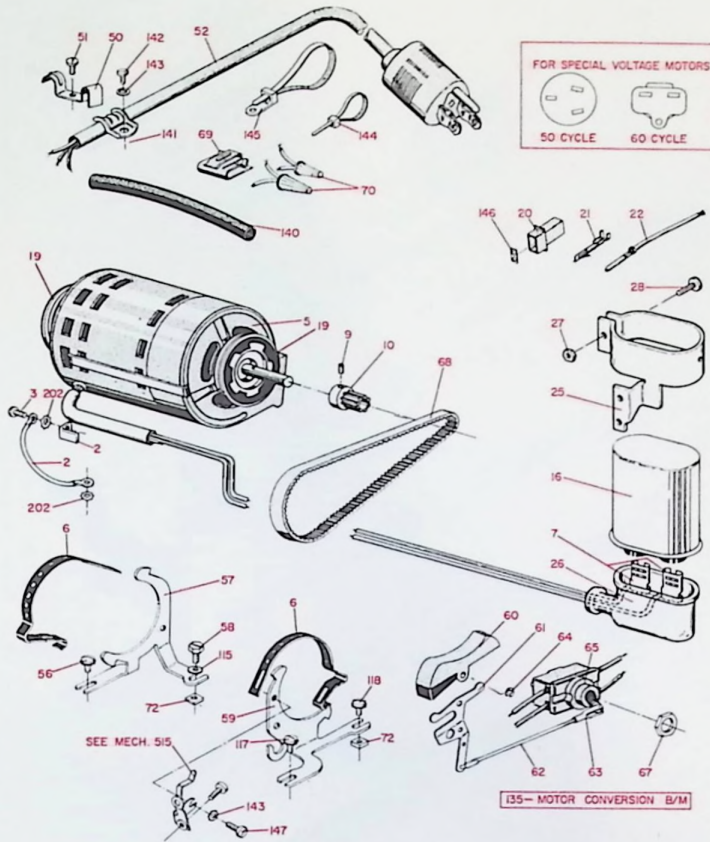
40-CABLE CLAMP B/M
60-CABLE ASM MT/ST

MECH CODE

MECH CODE

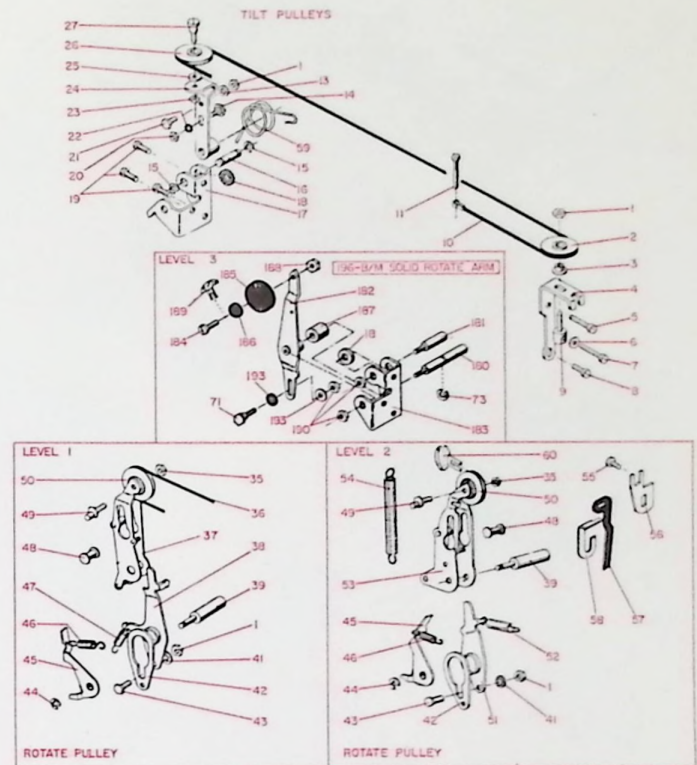
MOTOR & DRIVE

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501



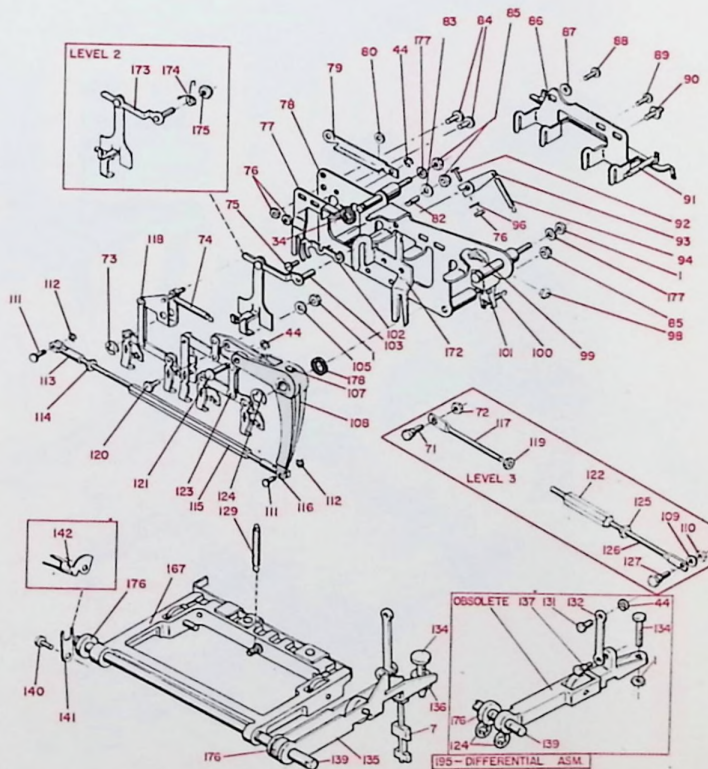
CHARACTER SELECTION

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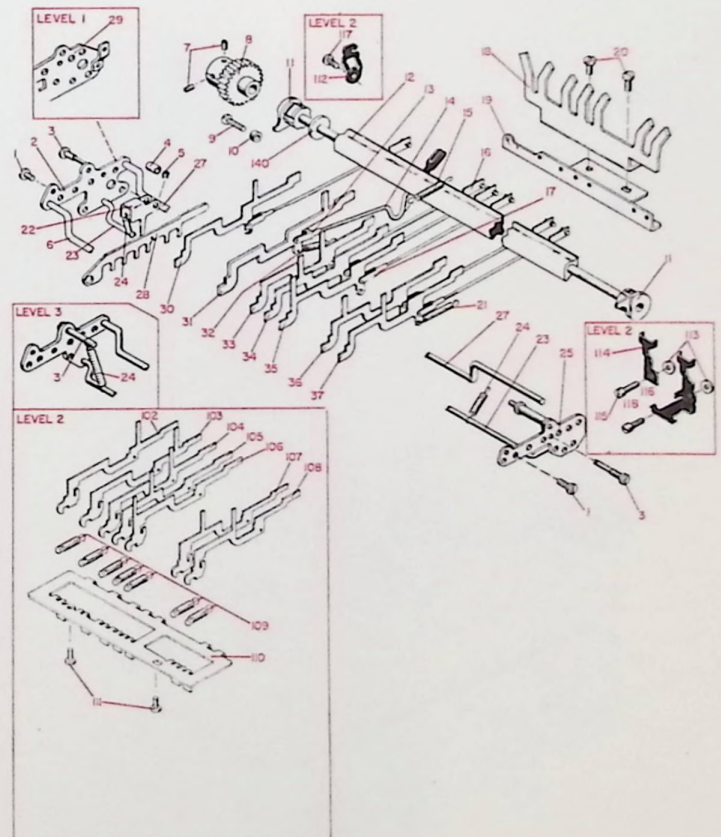
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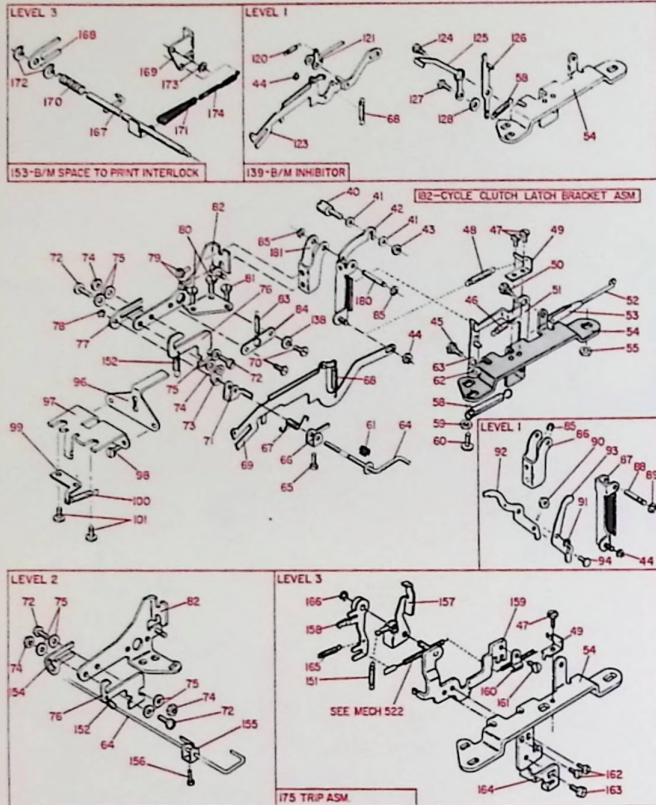


KEYBOARD SELECTION

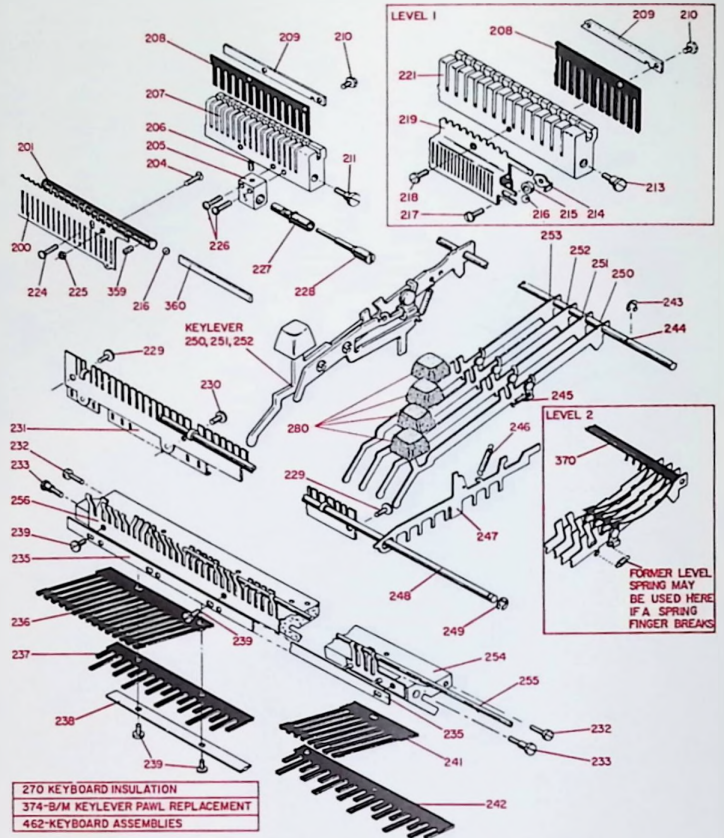
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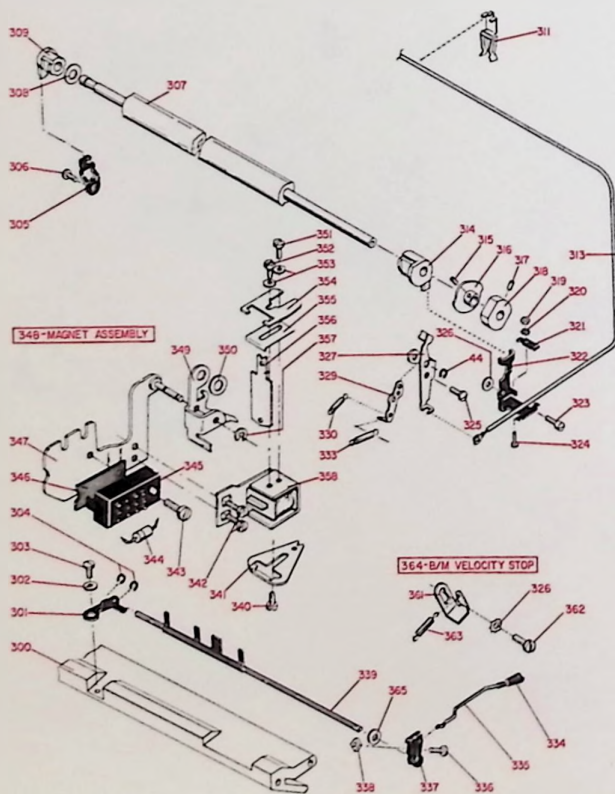
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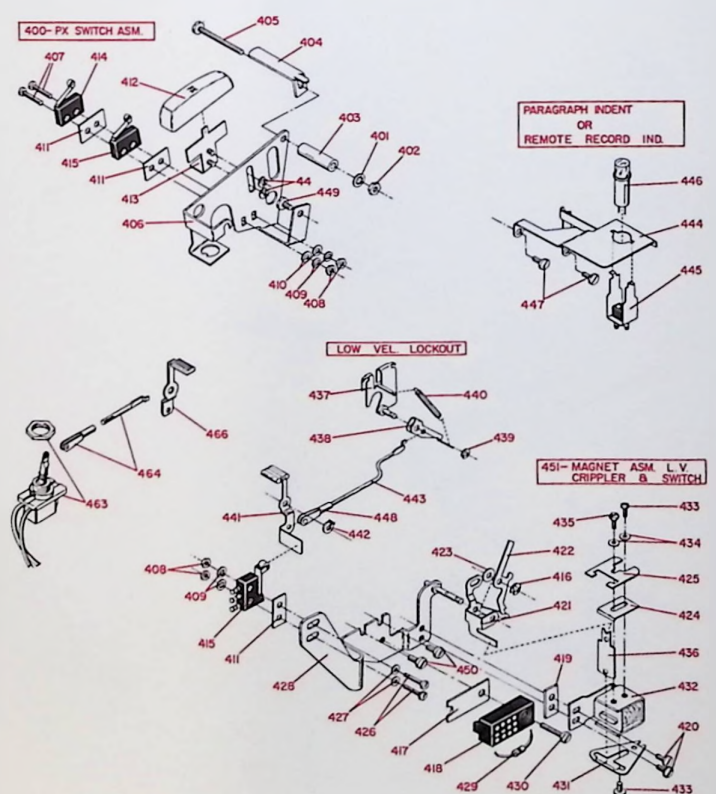
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KEYBOARD SELECTION

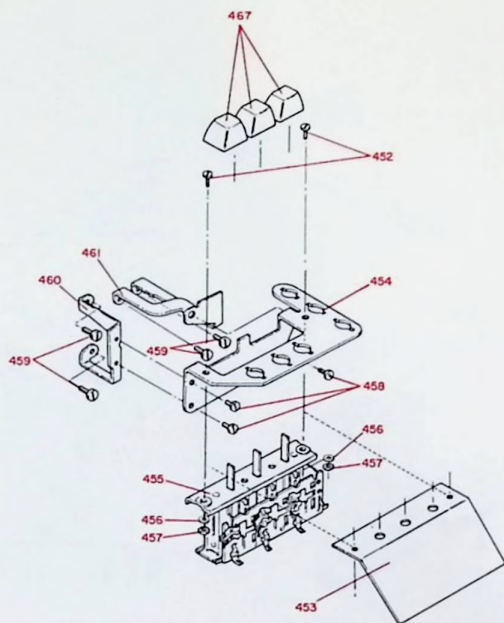
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KEYBOARD SELECTION

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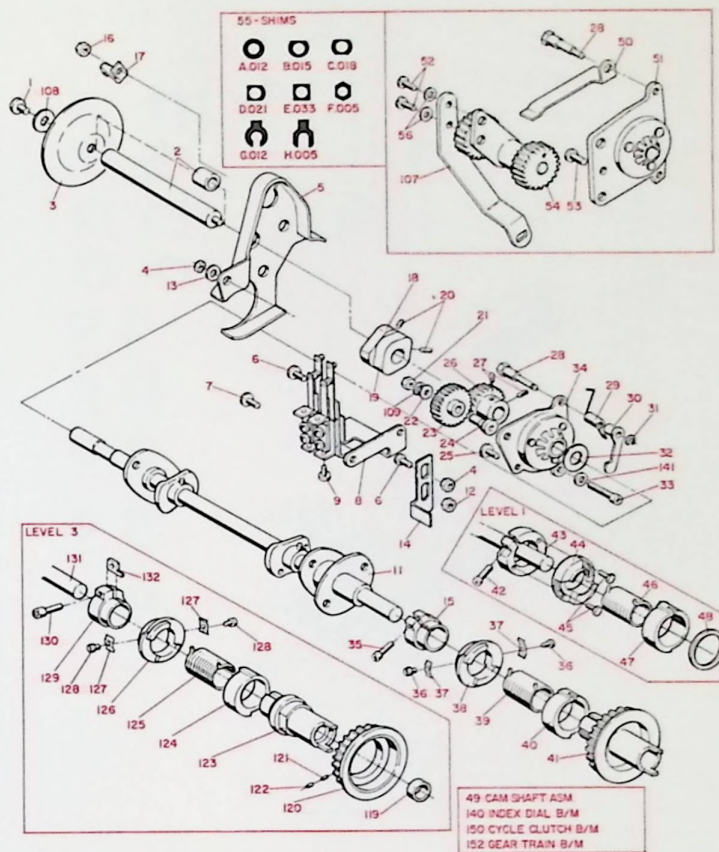
KEYBOARD SELECTION

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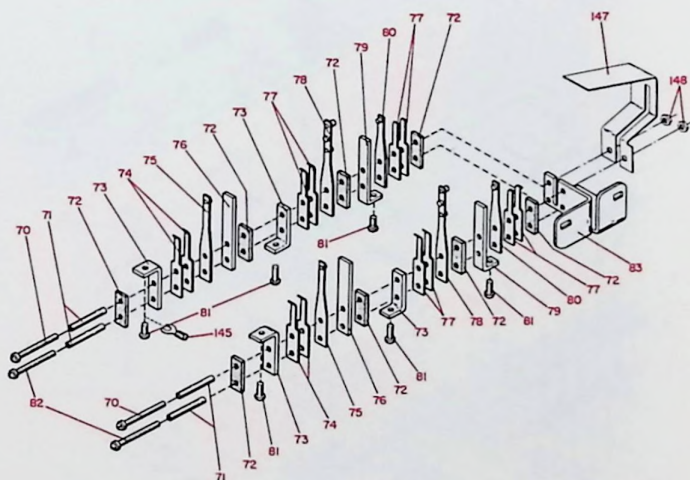
CYCLE SHAFT & CONTACTS

MECH CODE
504



CYCLE SHAFT & CONTACTS

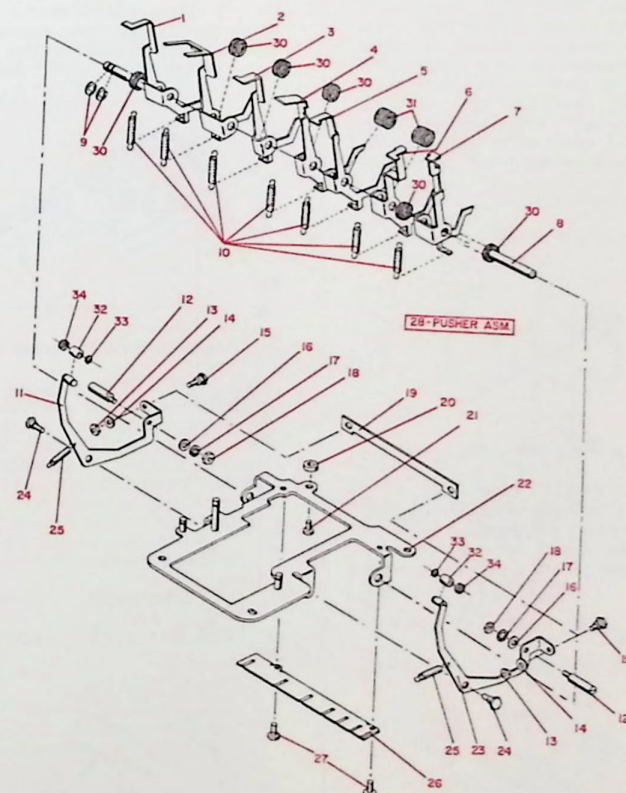
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84-PRINT FEEDBACK CONTACTS-C1, C2, ASM

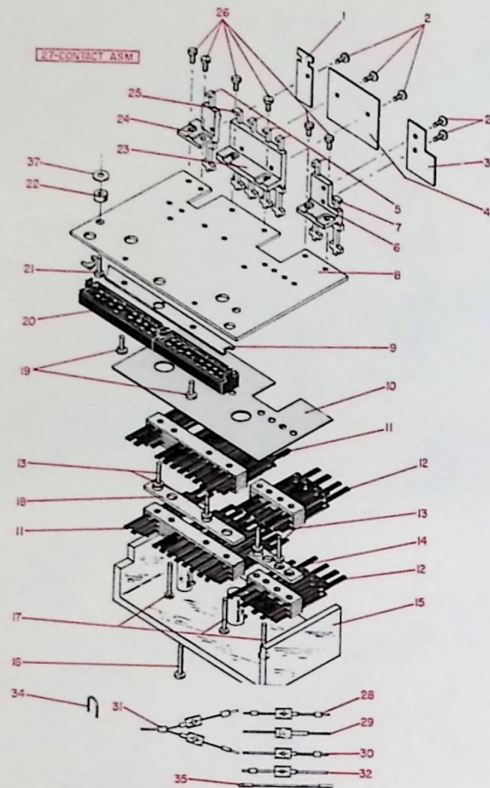
SELECTION PUSHER

MECH CODE
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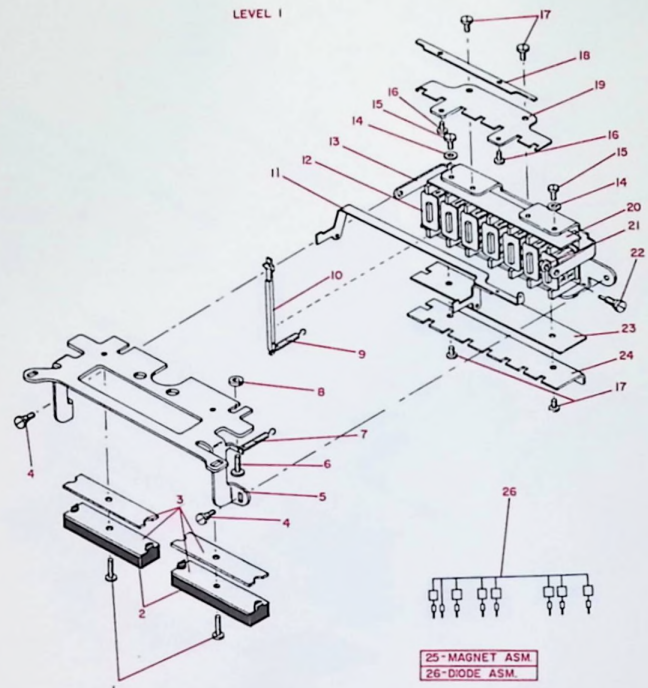
SELECTION CONTACT

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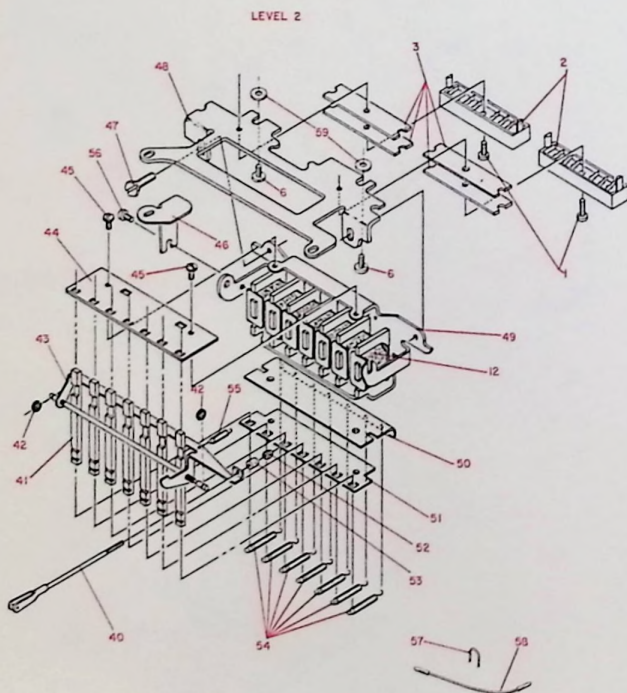
SELECTION MAGNET

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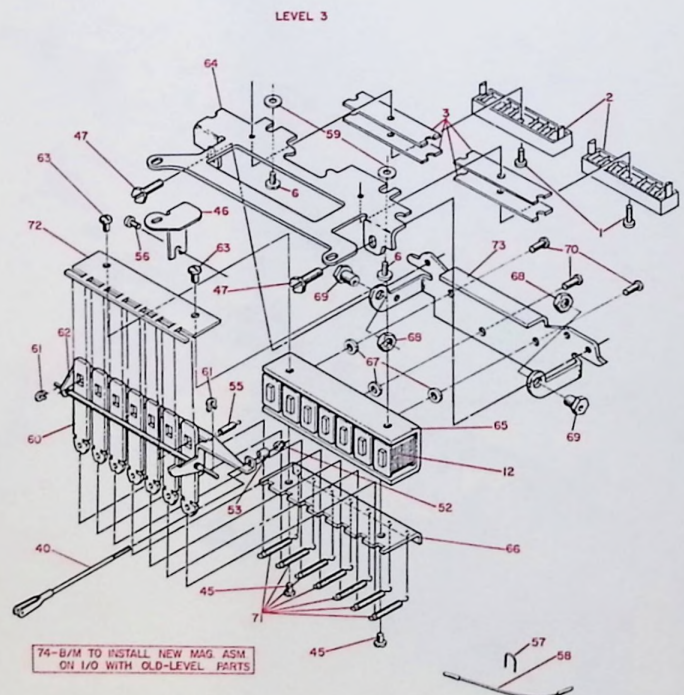
SELECTION MAGNET

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SELECTION MAGNET

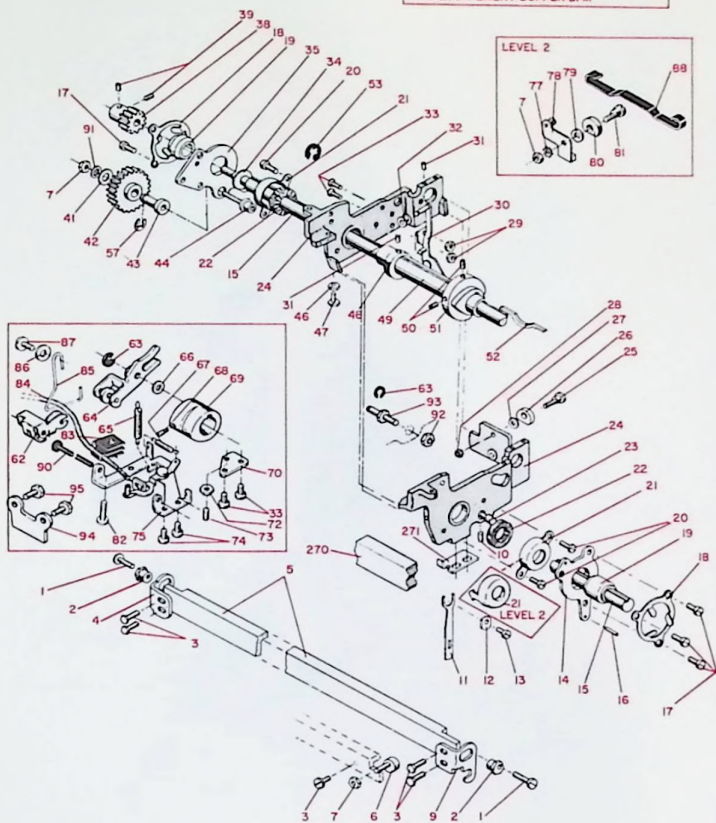
MECH CODE
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CARRIER

MECH CODE
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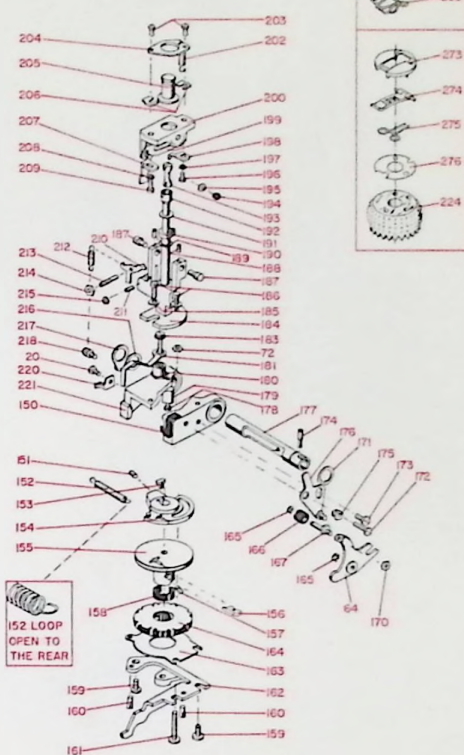
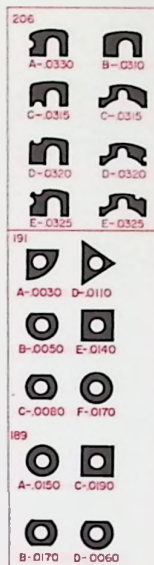
60-CARRIER & ROCKER ASM. COMPLETE B/M
272-ESCAPEMENT BUFFER B/M



ROCKER (GEAR TILT)

MECH CODE
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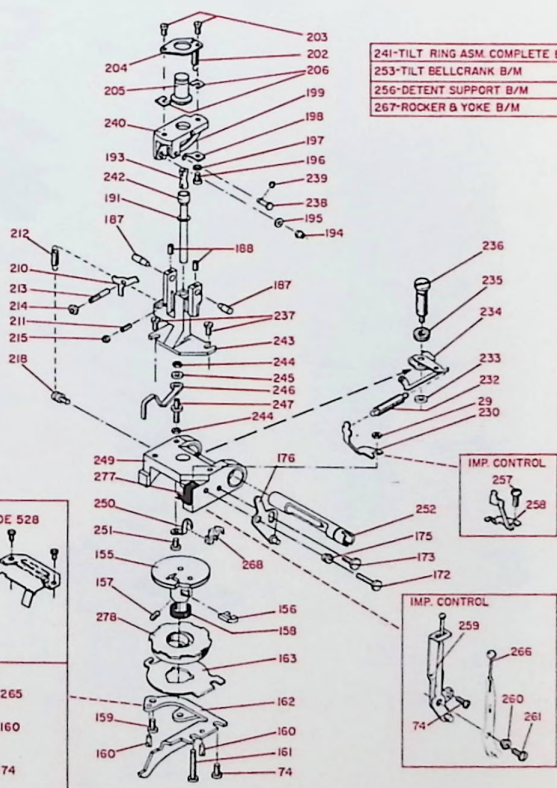
201 TILT RING ASM. COMP.



ROCKER (GEARLESS TILT)

MECH CODE
508

241-TILT RING ASM. COMPLETE B/M
253-TILT BELLCRANK B/M
256-DETENT SUPPORT B/M
267-ROCKER & YOKE B/M

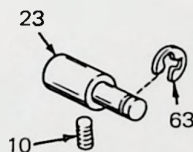


CARRIER

MECH CODE
508

Pre-Dual Impression Machines

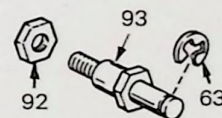
This stud, P/N 1124176, is used as a replacement part on all machines not equipped with dual impression which have the original "non-faced" carriers.



Pre-Dual Impression Machines with New Carrier

This stud, P/N 1164562, and nut, P/N 5603, must be used with a carrier change on all machines not equipped with dual impression. This is necessary because all field replacement carriers are "faced" and do not have a set screw hole for mounting the original stud.

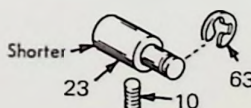
Part No.	Description
1164562	Stud, Fol. Mtg.
6503	Nut



Early Dual Impression Machines

This stud, P/N 1175054, must be used on the early dual impression machines. The folloer, P/N 1141619, must also be replaced to ensure compatibility. This procedure is necessary because the early DI carriers were "non-faced". Note: Use washer, P/N 1164290, to reduce side play.

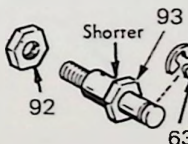
Part No.	Description
1175054	Stud, Fol. Mtg.



Current Level Machines

This stud, P/N 1164878, and nut, P/N 6503, can be used on all Dual Impression carriers that are "faced". It must be used with the new print cam folloer, P/N 1141619.

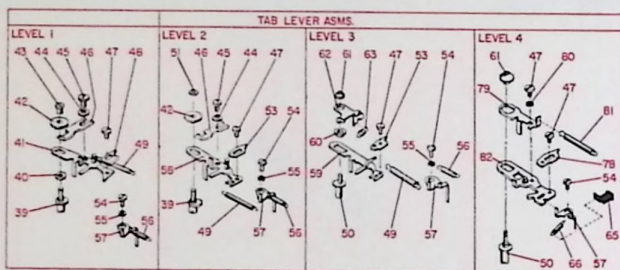
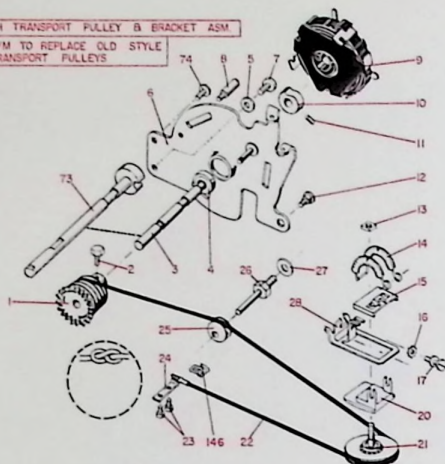
Part No.	Description
1164878	Stud, Fol. Mtg.



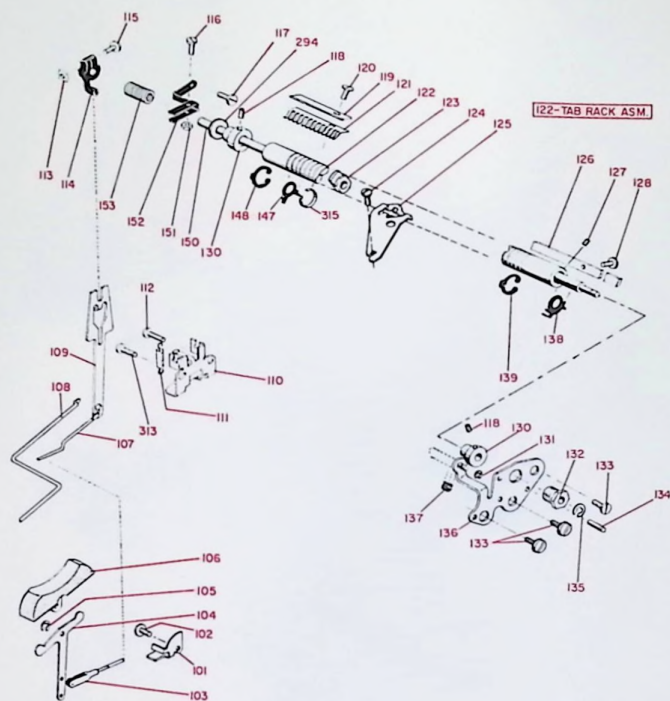
TAB

MECH CODE
516

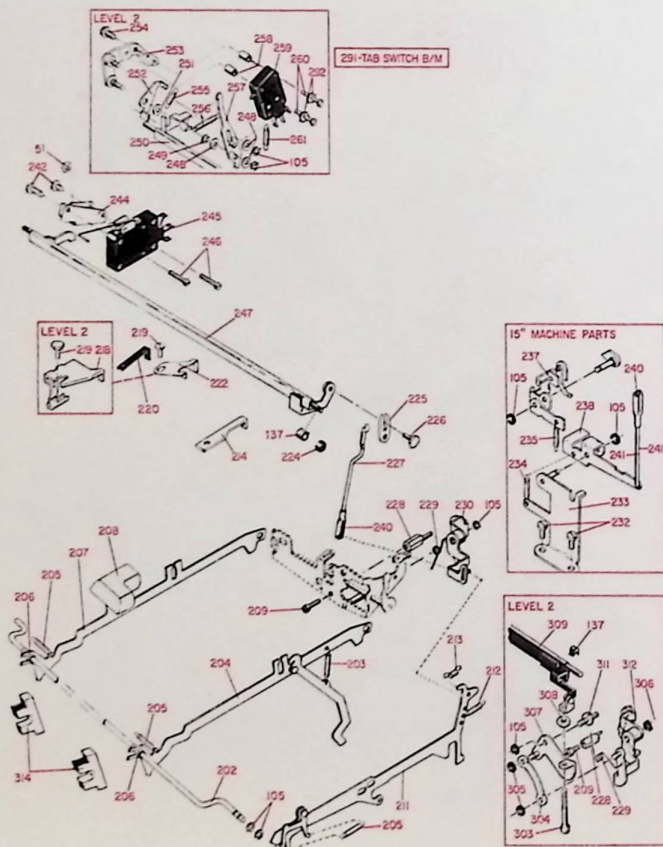
71 - RH TRANSPORT PULLEY & BRACKET ASM
72 - B/M TO REPLACE OLD STYLE TRANSPORT PULLEYS



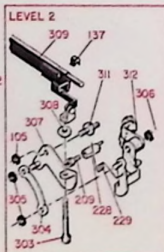
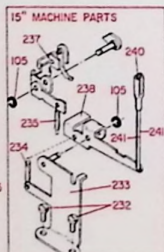
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MECH CODE
516

TAB

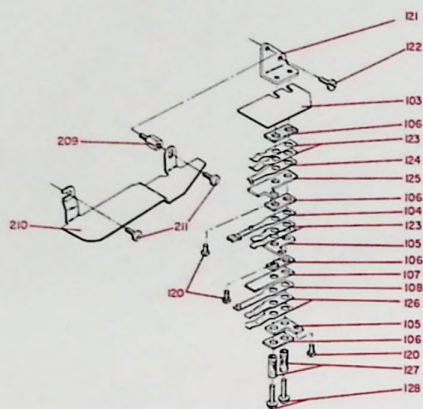
MECH CODE
516

MECH CODE



CARRIER RETURN INTERLOCK CONTACT

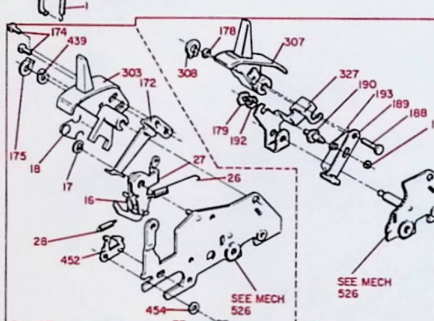
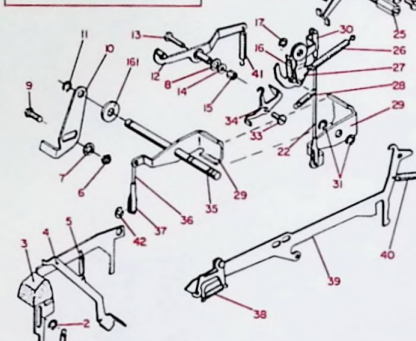
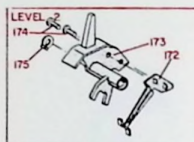
MECH CODE
519



101-CONTACT ASM.

INDEX

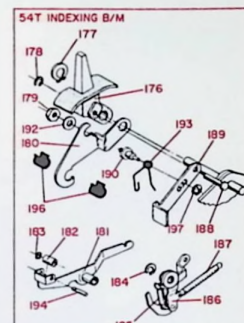
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520



24-48T

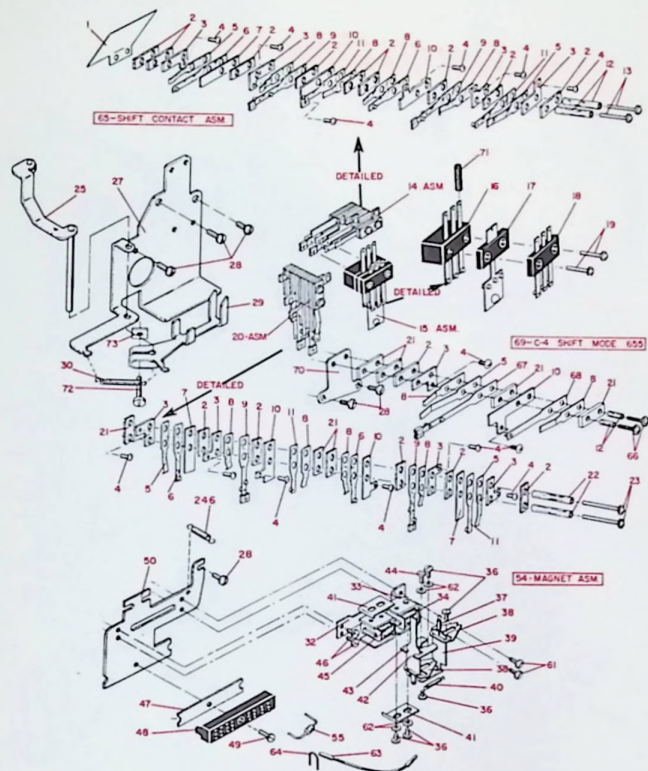
SEE MECH 526

54T



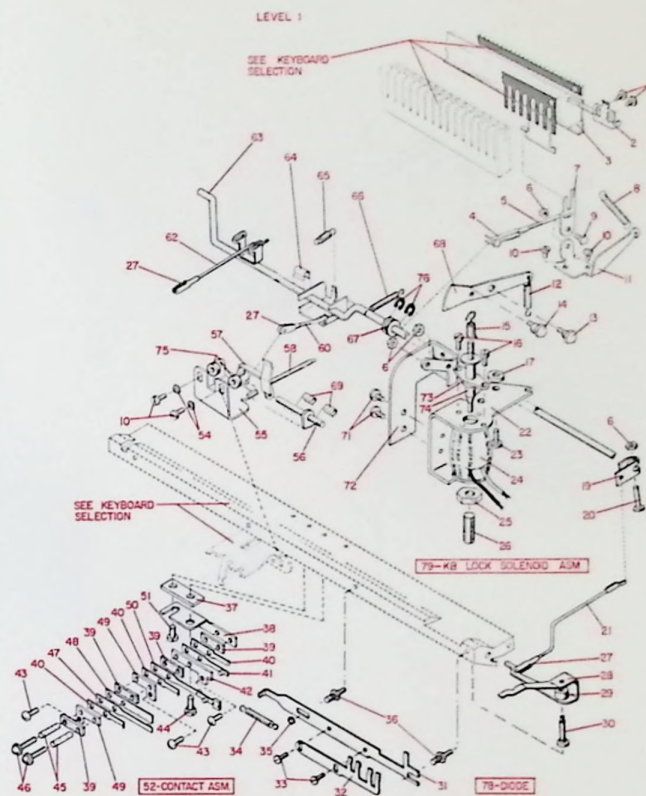
SHIFT MAGNETS & CONTACT

MECH CODE
523



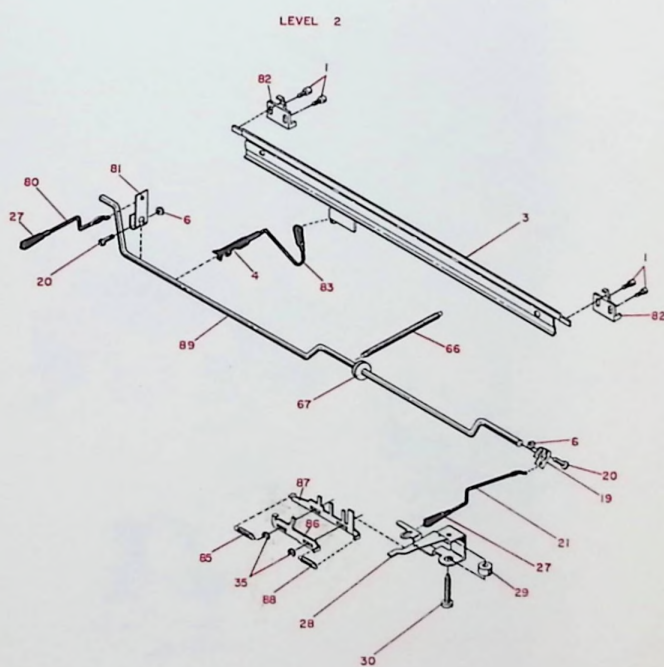
KEYBOARD LOCK

MECH CODE
524



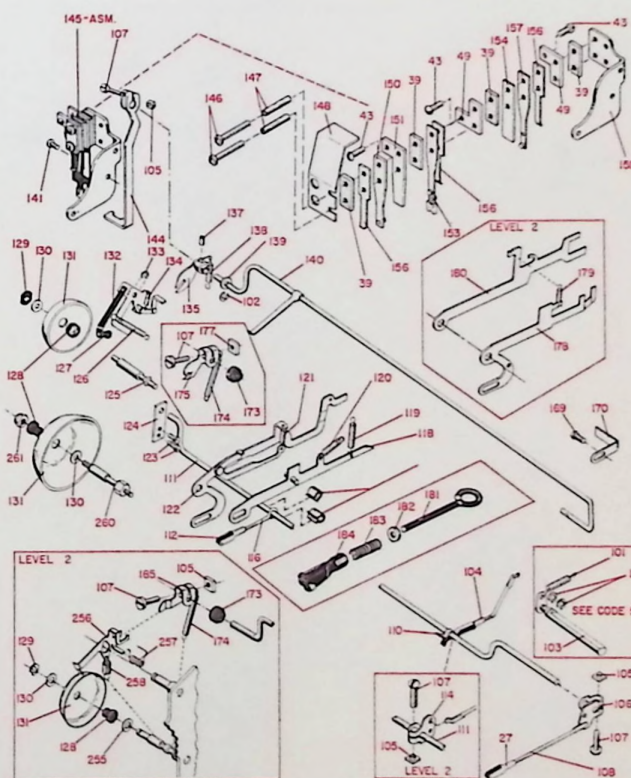
KEYBOARD LOCK

MECH CODE
524



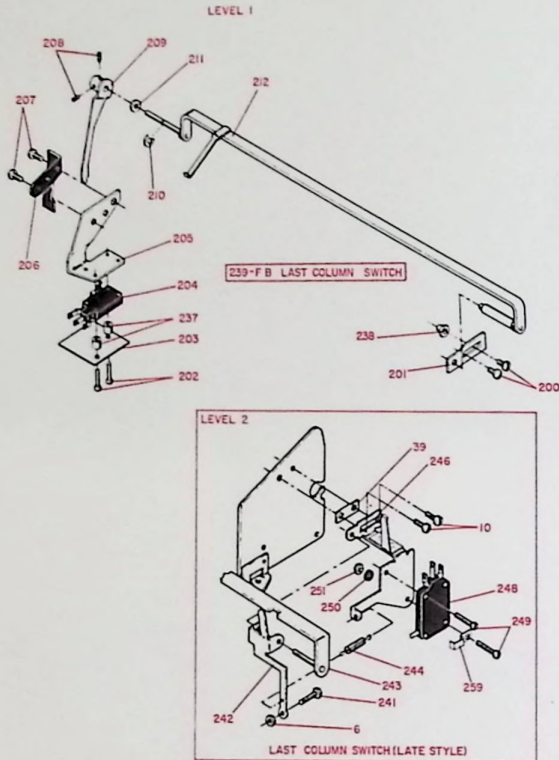
LINELOCK & BELL

MECH CODE
524



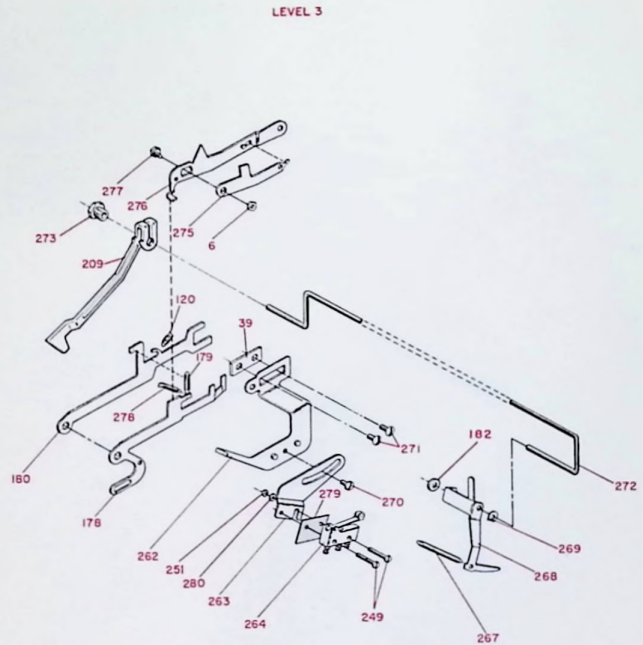
LINELOCK & BELL

MECH CODE
524



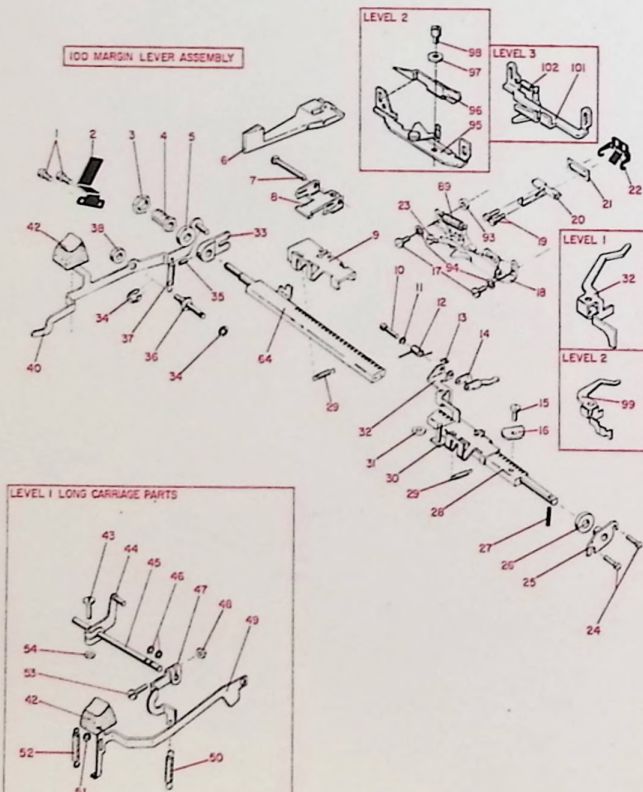
LINELOCK & BELL

MECH CODE
524



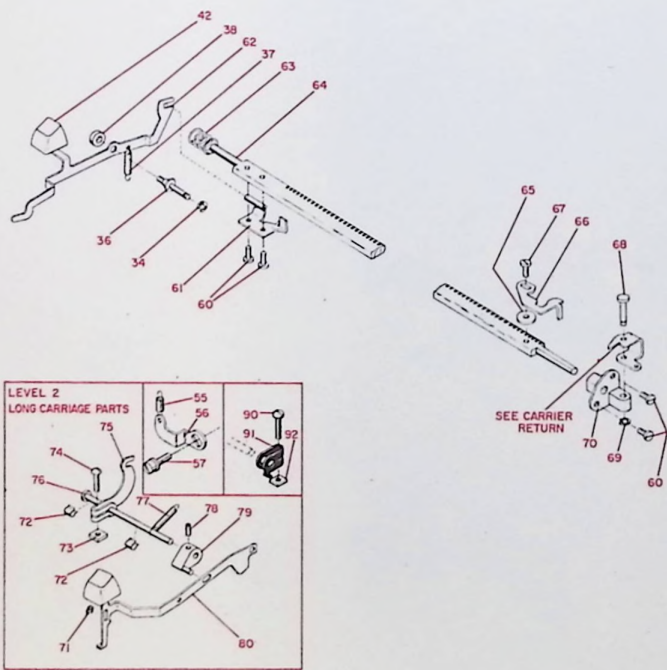
MARGIN

MECH CODE
525



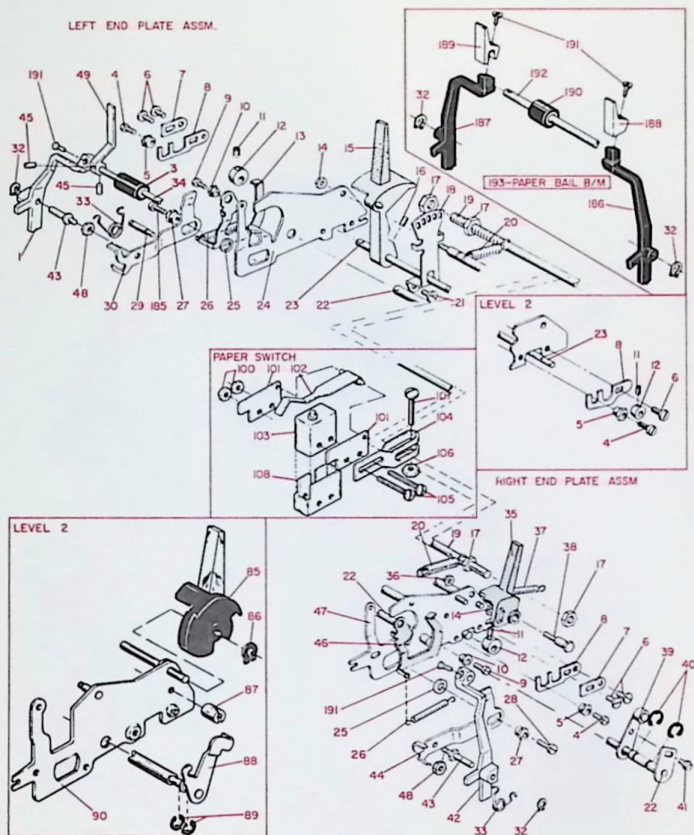
MARGIN

MECH CODE
525



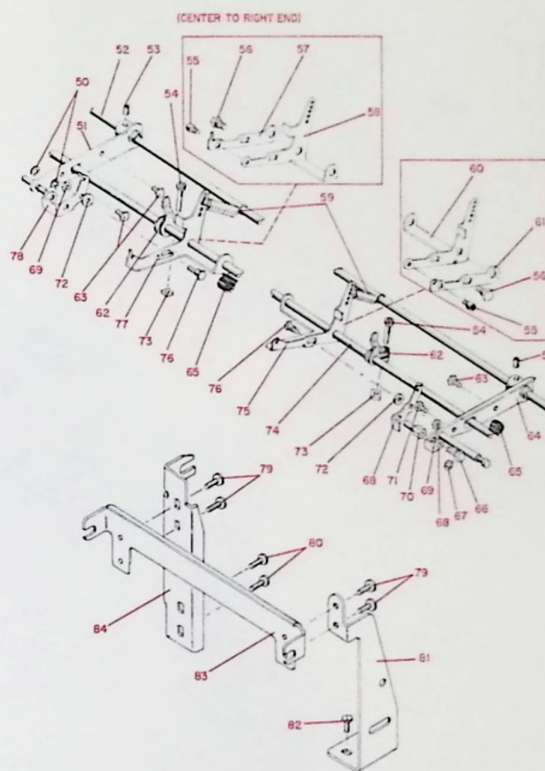
PAPER FEED

MECH CODE
526



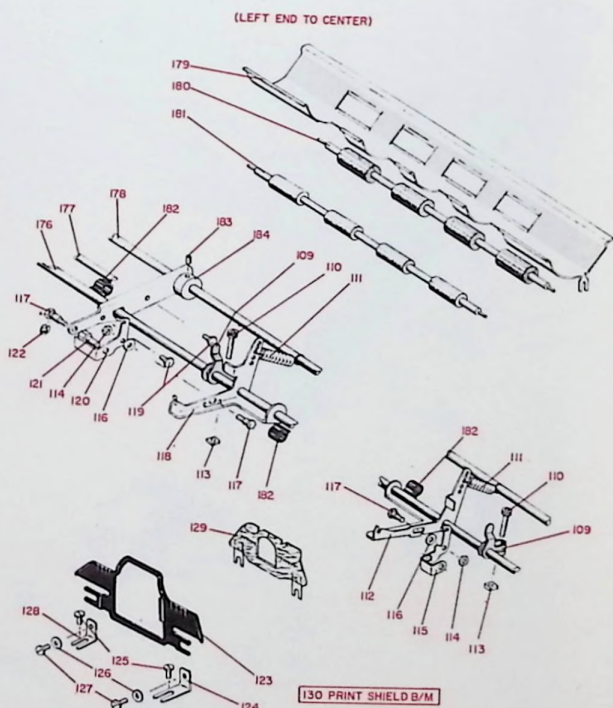
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526



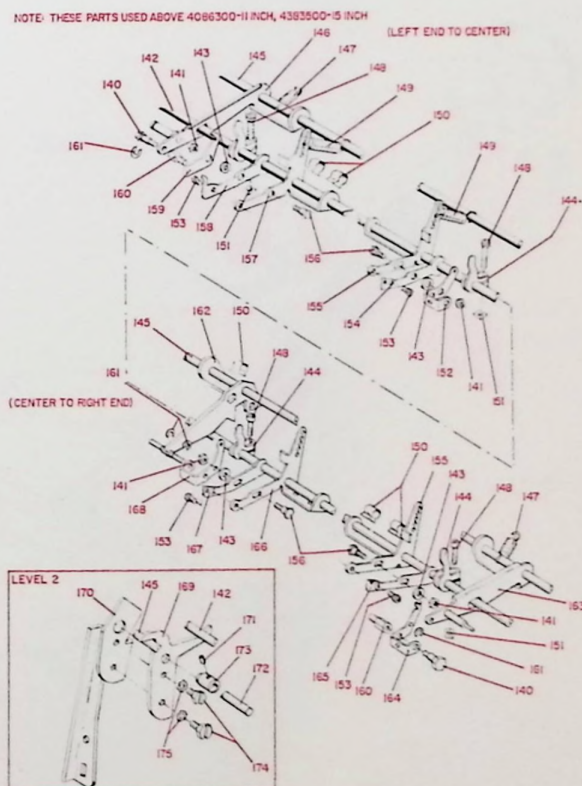
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526



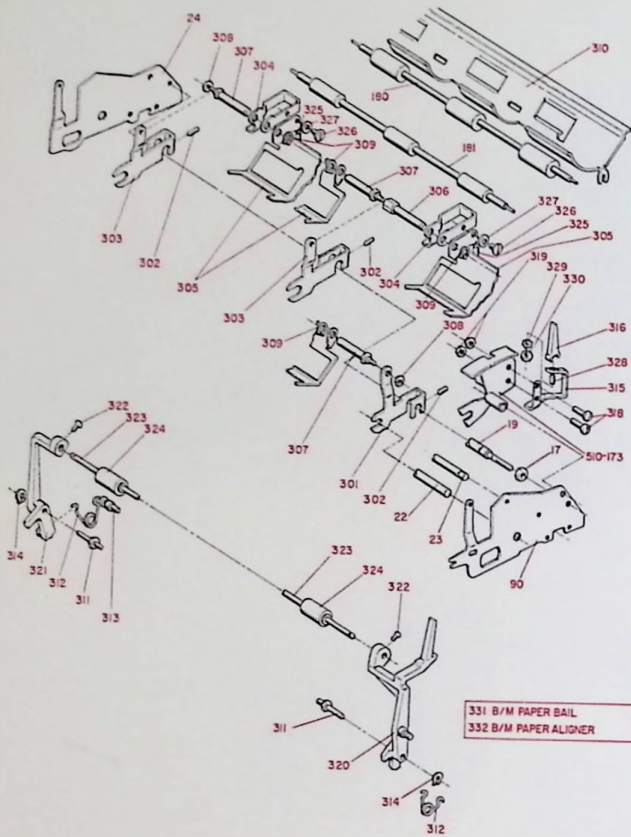
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526



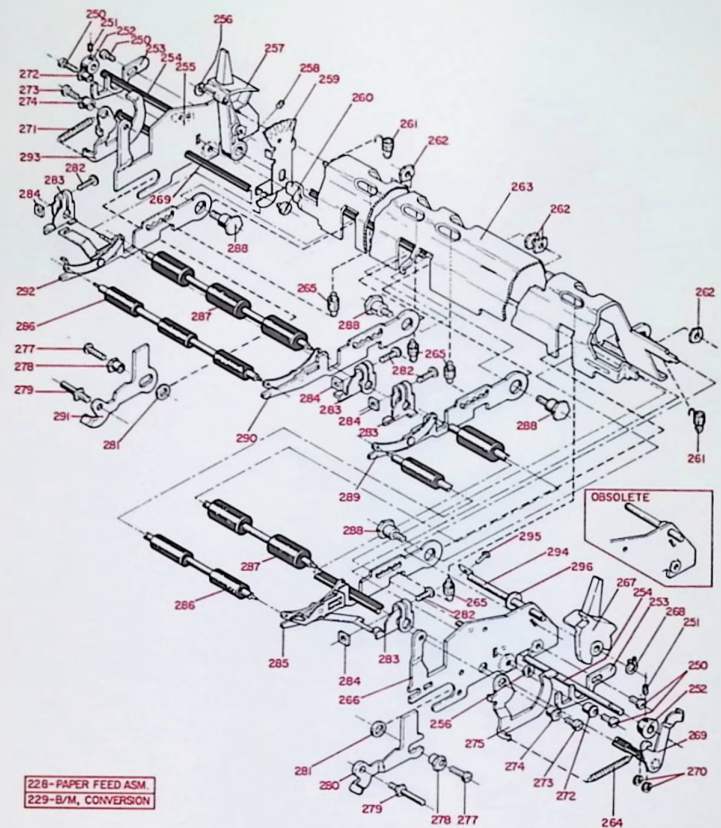
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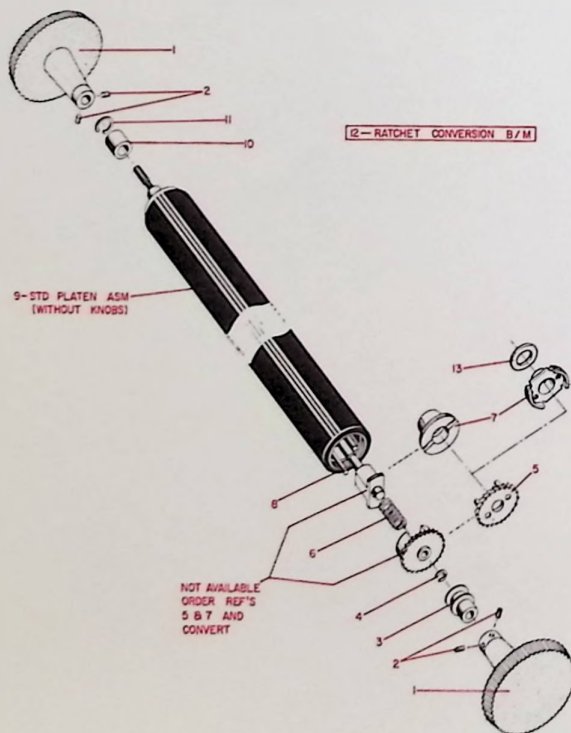
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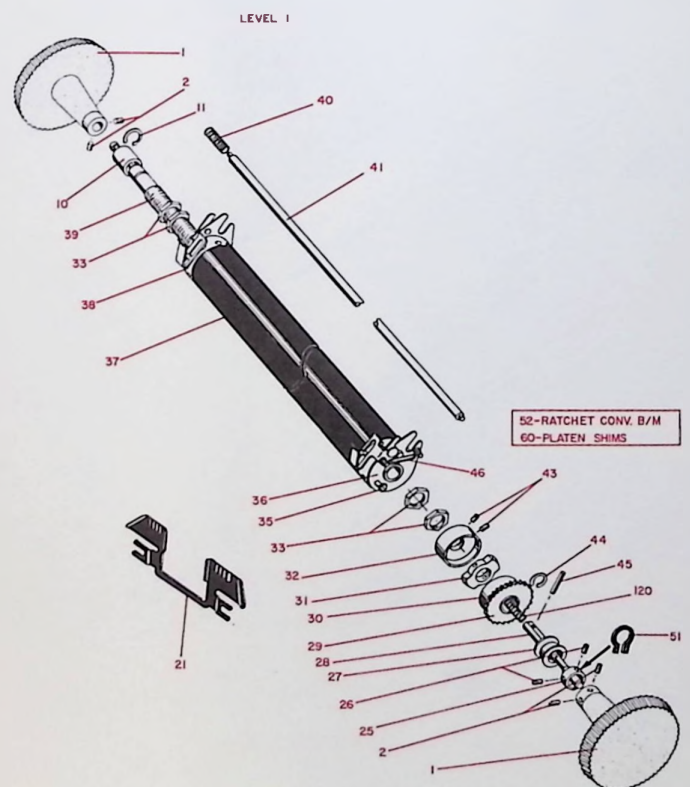
STANDARD PLATEN

MECH CODE
527

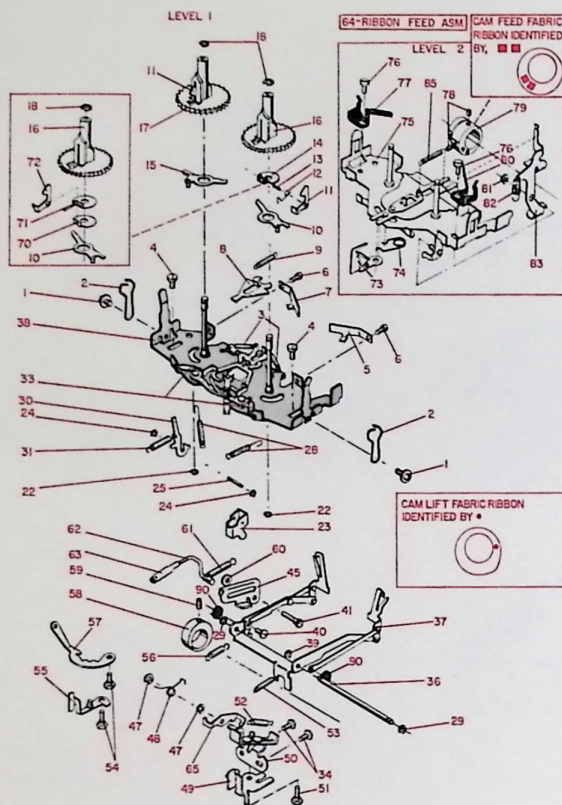


PIN FEED PLATEN

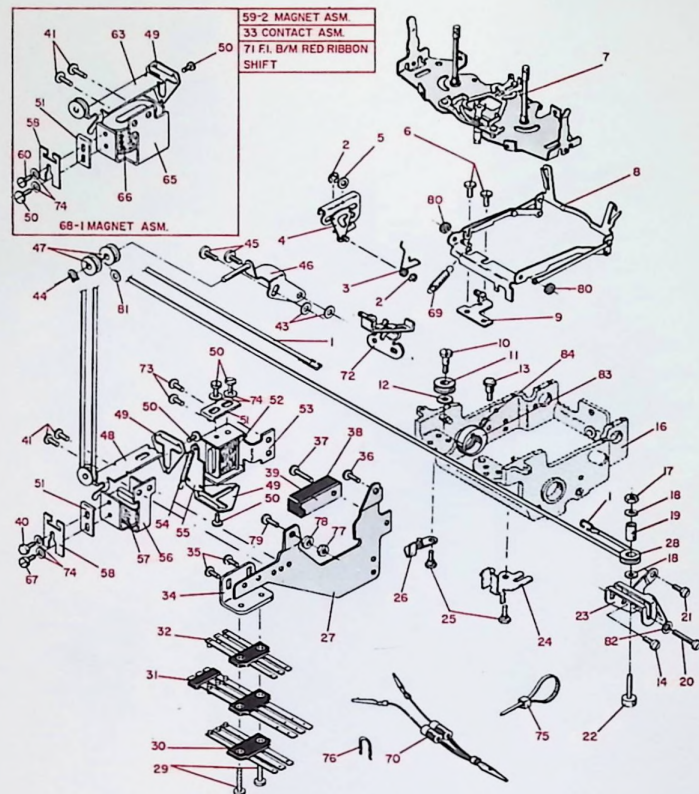
MECH CODE
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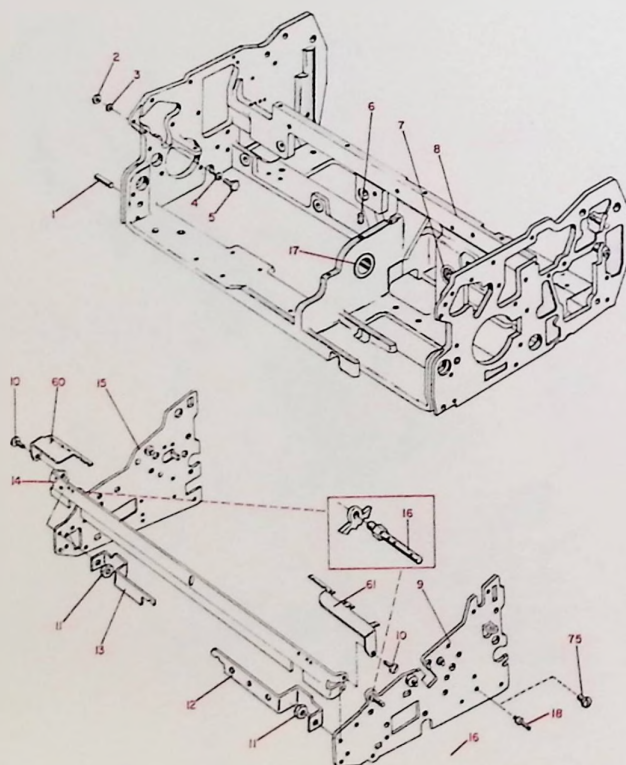
FABRIC RIBBON

MECH CODE
529

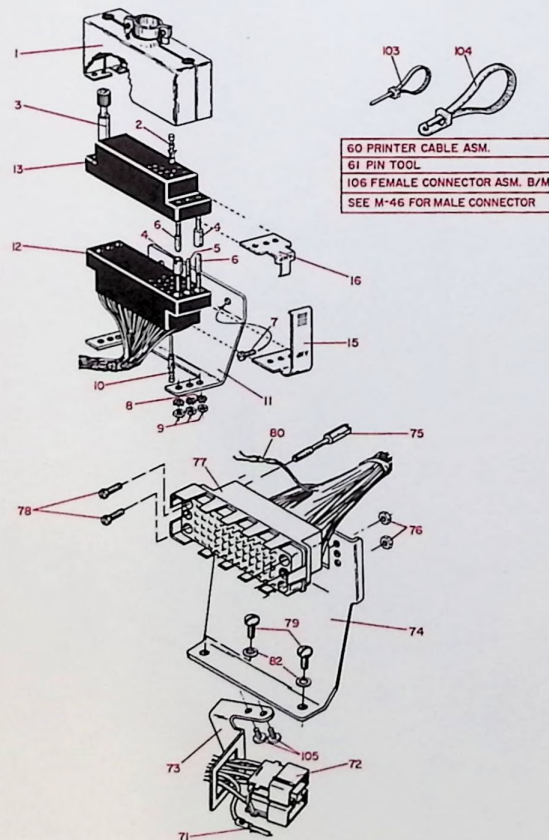
RED RIBBON SHIFT

MECH CODE
530

FRAMES

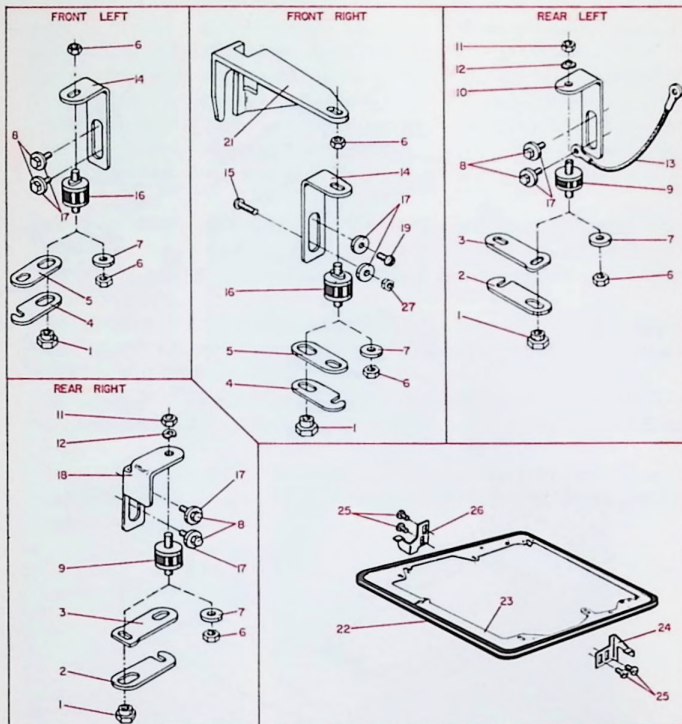
MECH CODE
531

CABLES & CONNECTORS

MECH CODE
533

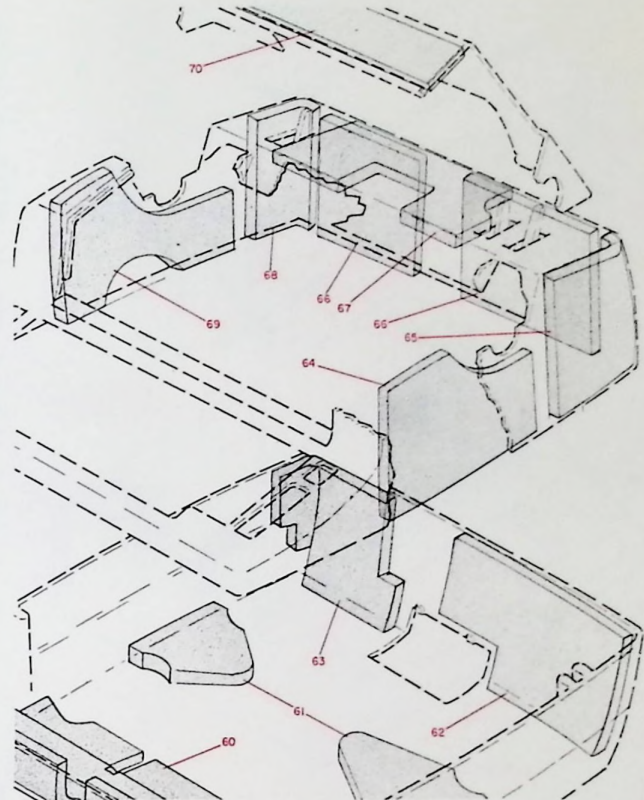
COVER MOUNTING

MECH CODE
534



COVER INSULATION

MECH CODE
535

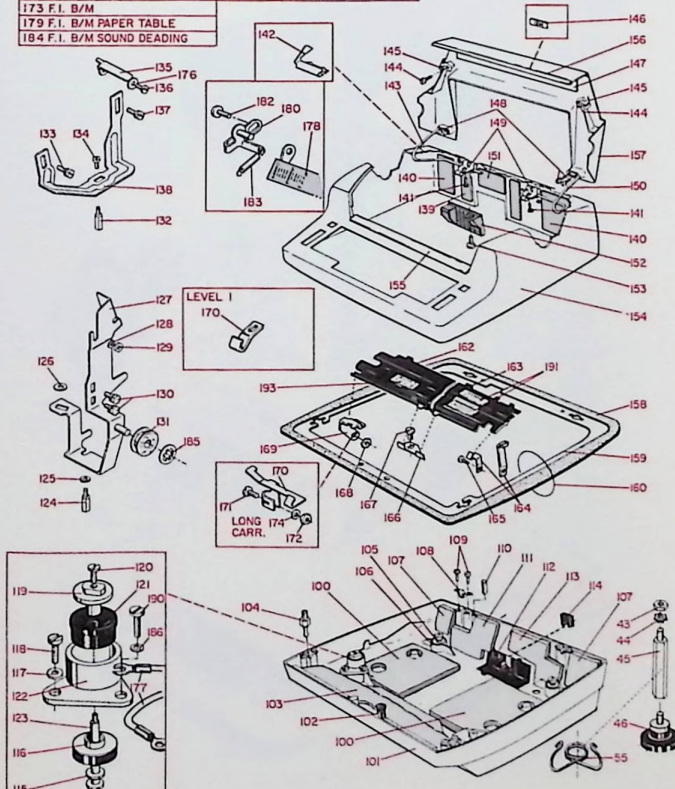


TILT UP COVERS

MECH CODE
535

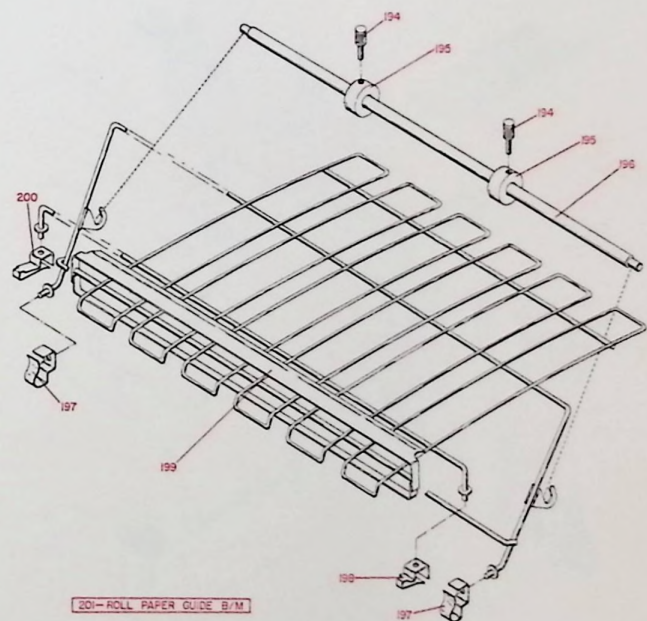
48 DUST COVER
56 OPERATORS ACCESSORY KIT
173 F.I. B/M
179 F.I. B/M PAPER TABLE
184 F.I. B/M SOUND DEADENING

192 TOP & CENTER COVER B/M
202 E.O.F. LOCKOUT PLATE



ROLL PAPER HOLDER

MECH CODE
535

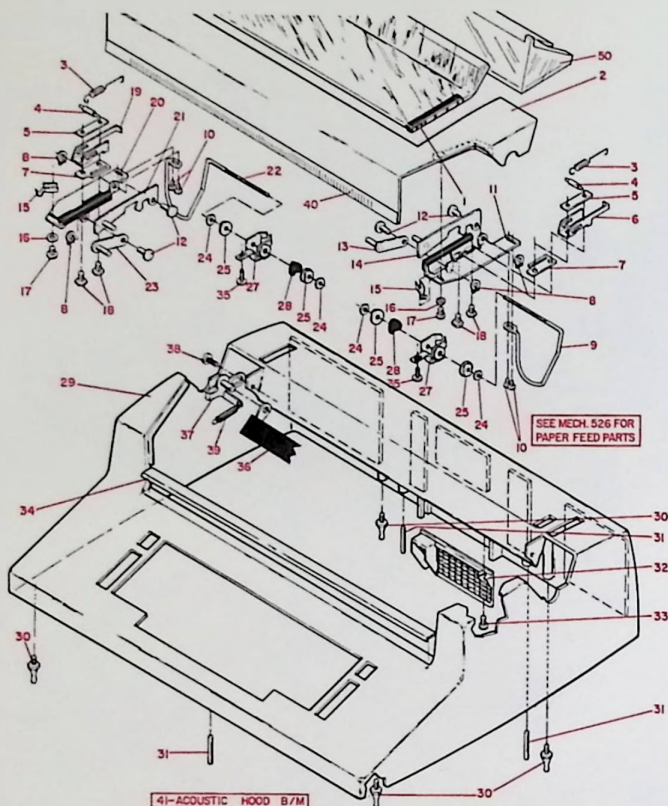


201-ROLL PAPER GUIDE B/M

15" MACHINES ONLY

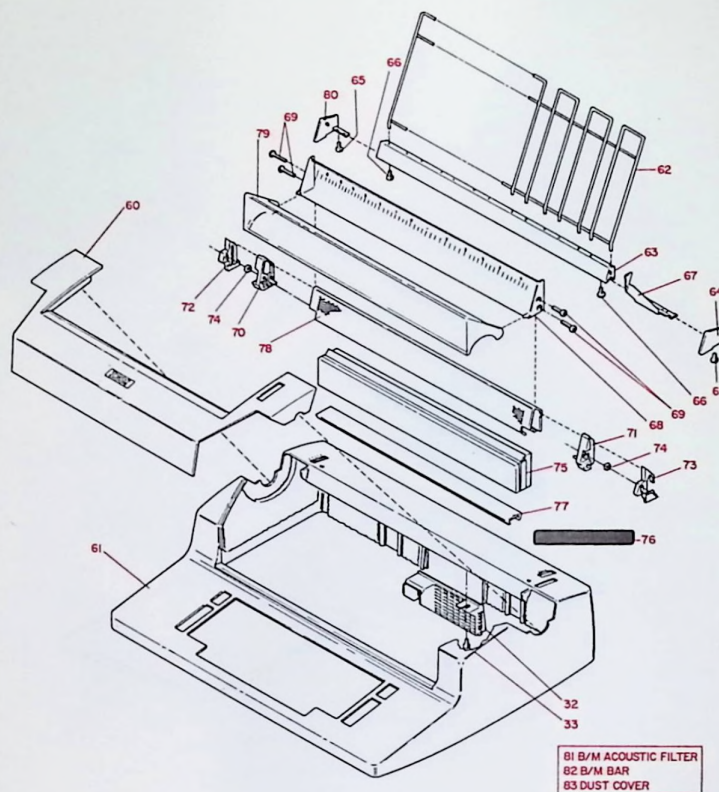
ACOUSTIC HOOD

MECH CODE
536



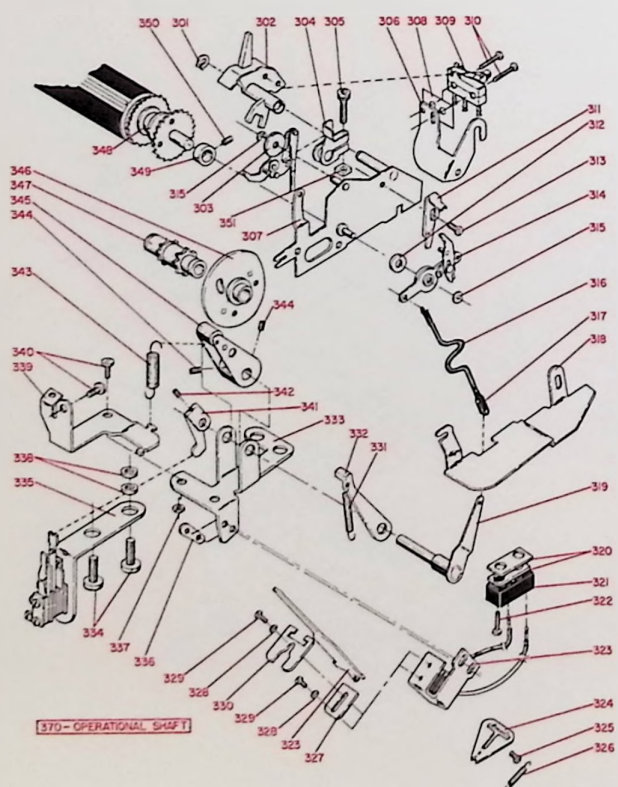
ACOUSTIC HOOD

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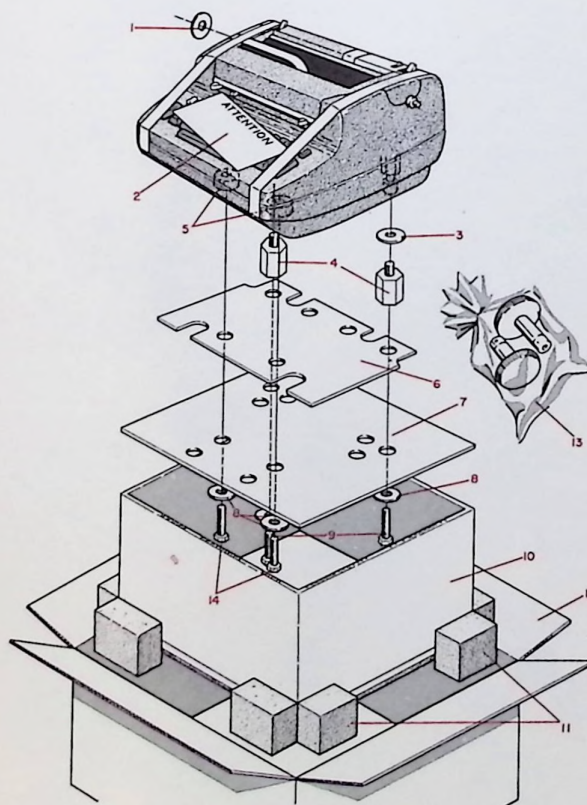
REVERSE INDEX

MECH CODE
537



PACKING PARTS

MECH CODE
540



PACKING INSTRUCTIONS	
A.	Remove top cover and tilt machine up. Insert (2) spacer legs in (2) front cutouts of sound deadening material, position over holes in bottom cover. Screw (2) leg extensions with washers into rear legs. Reposition machine and replace top cover.
B.	Move carrier mechanism to extreme left, depress tab torque bar and while holding carrier, tape into position as shown.
C.	For machines equipped with carbon ribbon attachment clean underside of carrier. Move carrier to extreme left, take a piece of tape about 8 inches long and tape on the underside of the carrier to the front as close to the print shaft as possible; while depressing tab button pull carrier to extreme left and fasten tape to the top front cover.
D.	On Std platen machines, remove platen and place platen retainer over left hand platen, flush against end of platen. Replace and secure platen in normal position. Close top cover and tape to bottom cover.
E.	On machines with sound deadening feature, tape acrylic shield in the center of machine to rear of top cover. Tape both sides to right and left of top cover.
F.	Tilt machine to rear so bottom of machine is accessible. Fasten pallets small and large to machine using hex head bolts and washers.
G.	Tape bottom of carton, place two foam pads in bottom. Place two platen knobs in polly bag and place in bottom. Place palletized machine in carton.

CHARTS

COVER CHART

NOTE: When ordering covers to replace pre-tilt up covers, order mounting B/M listed below and the proper cover B/M. The cover B/M's do not include pitch scales and plastic vents.

Mounting B/M for conversion to tilt up covers.

1272782 Ring mount 15"
1272781 Ring mount 11"
1272780 Free standing 15"
1272779 Free standing 11"

POLYESTER PAINTED COVERS

Model	Description	Top* 1	Center* 1	Top & Center B/M*	Free* Standing Bottom	B/M Free* Standing Bottom	Ring Mount Bottom*	Ring Mount B/M**	Acoustic Filter Center
731	11" I/O	1159751	1159752	1203683	1159753	1203684	1159753	1203694	
735	15" I/O	1159754	1159755	1203685	1159756	1203686	1159756	1203691	1202851
785	MT/ST with Film Ribbon	1159754	1159755	1203685	1159756	1203686	1230005	1203691	1202851
785	MT/ST with Film Ribbon and Composer Compatibility	1159754	1187693	1203692	1159756	1203686	1230005	1203691	1202852
785	MT/ST with Film Ribbon and Paragraph Indent	1159754	1274840	1203693	1159756	1203686	1230005	1203691	1202850
785	MT/ST with Film Ribbon and Program Search	1159754	1187947	1203695	1159756	1203686	1230005	1203691	1202853
785	MT/ST with Film Ribbon, Vertical Forms Control and Program Search	1230206	1230194	1203697	1159756	1203686	1230005	1203691	N/A
785	MT/ST with Film Ribbon and Vertical Forms Control	1230206	1230205	1203698	1159756	1203686	1230005	1203691	N/A
655	MT/SR with Fabric Ribbon	1159754	1187693	1203692	1159756	1203686	1230005	1203691	1202852
775	MT/ST with Fabric Ribbon	1203447	1159755	1203685	1159756	1203686	1187199	1203691	1202851
775	MT/ST with Fabric Ribbon and Composer Compatibility	1159754	1187693	1203692	1159756	1203686	1187199	1203691	1202852
775	MT/ST with Fabric Ribbon and Paragraph Indent	1203447	1274840	1203693	1159756	1203686	1187199	1203691	1202850
775	MT/ST with Fabric Ribbon and Program Search	1203447	1187947	1203695	1159756	1203686	1187199	1203691	1202853
775	MT/ST with Fabric Ribbon, Vertical Forms Control and Program Search	1230206	1230194	1203697	1159756	1203686	1187199	1203691	N/A
775	MT/ST with Vertical Forms Control	1230206	1230205	1203698	1159756	1203686	1187199	1203691	N/A
705	MT/ST with Fabric Ribbon and Remote Record	1203447	1203274	1203687	1159756	1203686	1187199	1203691	1202849
705	MT/ST with Fabric Ribbon, Remote Record and Composer Compatibility	1159754	1203305	1203701	1159756	1203686	1187199	1203691	1202848
795	MT/ST with Film Ribbon and Remote Record	1159754	1203274	1203687	1159756	1203686	1230005	1203691	1202849
775	MT/ST with Fabric Ribbon and Reverse Index	1203447	1187947	1275386	1159756	1203686	1230005	1203691	N/A
785	MT/ST with Film Ribbon and Reverse Index	1159754	1187947	1275386	1159756	1203686	1230005	1203691	N/A

*Specify Color

**Order Scales And Motor Grill

1Order Trim And Foam

NOTE: Replace "Rel-Tex"® Covers With Polyester

COLORS

Pearl White (MT Products)	Topaz Bronze
Sapphire Blue	Onyx Blue
Emerald Green	Sandstone Beige
Opal Gray	Raven Black
Garnet Rose	Deep Charcoal Gray (MT Bottom Covers)
Willow Green	Classic Blue

PLATEN INDEXING CHART

							Index Selection Lever Positions					
	Ratchet	Pin Feed Ratchet	Detent Assembly	Index Pawl Assembly	Line Space Lever	Line Space Cam Lever	Pos. 1 Lines/In.	Teeth Index	Pos. 2 Lines/In.	Teeth Index	Pos. 3 Lines/In.	Teeth Index
24T	1164462	-----	1141561	1141595	1126018	1141556	5,333	1	2.667	2	----	
27T	1164463	1128527	1138122	1128018	1135456	1128477	6.003	1	3.001	2	----	
36T	1159549	1135192	1128975	1128018	1135456	1128477	8.004	1	4.002	2	----	
54T	1164464	1175289	6512615*	1141595	1166071	1141599	6,003	2	4,002	3	3,001	4

*Requires Detent Roller P/N 6512356 & Retainer P/N 251989

Office
Products
Division

Customer
Engineering

Cut Along Dotted Line

